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OM nucleic - nucleic search, using sw model1

Run on: January 30, 2005, 13:17:42 ; Search time 102 Seconds
(without alignments)
6201.981 Million cell updates/sec

Title: US-10-035-958-60
Perfect score: 890
Sequence: 1 aagctactgtccgcggtcg.....taaaaaaaaaaacatcaca 890

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 1649014

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Database : Issued Patents_NA: *
1: /cgn2_6/ptodata/1/ina/5A.COMB.seq: *
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SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	858.4	96.4	903	US-09-208-718-4	Sequence 4, Appl1
2	783.8	88.1	826	US-09-621-976-7	Sequence 7, Appl1
3	783.8	88.1	826	US-09-513-999C-7	Sequence 7, Appl1
4	45.4	5.1	1047	US-08-403-378B-3	Sequence 3, Appl1
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6	41	4.6	1447	US-08-403-378B-14	Sequence 14, Appl
7	39	4.4	660	US-09-252-991A-2742	Sequence 2742, Ap
8	39	4.4	768	US-09-252-991A-3027	Sequence 3027, Ap
9	39	4.4	1671	US-09-252-991A-2839	Sequence 2839, Ap
10	39	4.4	2352	US-09-252-991A-3127	Sequence 3127, Ap
11	37.8	4.2	505	US-09-621-976-15639	Sequence 15639, A
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C 169	29.2	3.3	4078	4	US-09-252-991A-12395	Sequence 12395, A	C 242	28.4	3.2	1134	4	US-09-252-991A-3419	Sequence 3419, Ap	
C 170	29.2	3.3	4078	4	US-09-252-991A-12395	Sequence 12395, A	C 243	28.4	3.2	1134	4	US-09-252-991A-3419	Sequence 3419, Ap	
C 171	28.8	3.2	417	4	US-09-016-434-1154	Sequence 1154, Ap	C 244	28.4	3.2	1134	4	US-09-252-991A-3419	Sequence 3419, Ap	
C 172	28.8	3.2	533	4	US-09-252-991A-4583	Sequence 4583, Ap	C 245	28.4	3.2	1134	4	US-09-252-991A-3419	Sequence 3419, Ap	
C 173	28.8	3.2	533	4	US-09-389-681-271	Sequence 271, App	C 246	28.4	3.2	1134	4	US-09-252-991A-3419	Sequence 3419, Ap	
C 174	28.8	3.2	533	4	US-09-339-338-271	Sequence 271, App	C 247	28.4	3.2	1134	4	US-09-252-991A-3419	Sequence 3419, Ap	
C 175	28.8	3.2	533	4	US-09-433-826-271	Sequence 271, App	C 248	28.4	3.2	1134	4	US-09-252-991A-3419	Sequence 3419, Ap	
C 176	28.8	3.2	533	4	US-09-604-287A-271	Sequence 271, App	C 249	28.4	3.2	1134	4	US-09-252-991A-3419	Sequence 3419, Ap	
C 177	28.8	3.2	533	4	US-09-834-759-271	Sequence 271, App	C 250	28.4	3.2	1134	4	US-09-252-991A-3419	Sequence 3419, Ap	
C 178	28.8	3.2	533	4	US-09-590-751A-271	Sequence 271, App	C 251	28.4	3.2	1134	4	US-09-252-991A-3419	Sequence 3419, Ap	
C 179	28.8	3.2	606	4	US-09-252-991A-4784	Sequence 4784, Ap	C 252	28.4	3.2	1134	4	US-09-252-991A-3419	Sequence 3419, Ap	
C 180	28.8	3.2	647	4	US-09-489-039A-5274	Sequence 5274, Ap	C 253	28.4	3.2					

C 247	28.4	3.2	4929	4	US-09-874-923-98	Sequence 98, Appl	C 320	28	3.1	5674	4	US-09-583-850-8	Sequence 8, Appl1
C 248	28.4	3.2	6644	4	US-08-875-435B-5	Sequence 5, Appl1	C 321	28	3.1	5674	4	US-09-579-197-8	Sequence 8, Appl1
249	28.4	3.2	536165	4	US-09-214-808-1	Sequence 1, Appl1	C 322	28	3.1	5674	4	US-09-404-026-8	Sequence 8, Appl1
250	28.2	3.2	730	4	US-09-621-976-1056	Sequence 3056, Ap	C 323	28	3.1	5674	4	US-09-312-464-8	Sequence 8, Appl1
251	28.2	3.2	730	4	US-09-328-475C-269	Sequence 11347, A	C 324	28	3.1	6344	3	US-08-843-417-1	Sequence 1, Appl1
252	28.2	3.2	732	4	US-09-252-991A-11347	Sequence 268, App	C 325	28	3.1	6344	4	US-08-547-013-1	Sequence 1, Appl1
C 253	28.2	3.2	745	4	US-09-328-475C-268	Sequence 11320, A	C 326	28	3.1	7011	3	US-09-268-163-9	Sequence 9, Appl1
C 254	28.2	3.2	901	4	US-09-252-991A-11320	Sequence 30448, A	C 327	28	3.1	7233	4	US-09-270-767-13200	Sequence 13200, A
C 255	28.2	3.2	945	4	US-09-270-767-30448	Sequence 3029, Ap	C 328	28	3.1	8517	3	US-08-827-358-1	Sequence 1, Appl1
256	28.2	3.2	945	4	US-09-252-991A-3029	Sequence 14306, A	C 329	28	3.1	8517	3	US-09-500-358-1	Sequence 1, Appl1
257	28.2	3.2	2064	4	US-09-270-767-14306	Sequence 18852, A	C 330	28	3.1	8517	3	US-09-498-809-1	Sequence 1, Appl1
258	28.2	3.2	2289	4	US-09-252-991A-12852	Sequence 4, Appl1	C 331	28	3.1	8815	4	US-09-687-731-12	Sequence 12, Appl1
C 259	28.2	3.2	2450	4	US-09-618-425-4	Sequence 2, Appl1	C 332	28	3.1	32654	4	US-09-801-191A-3	Sequence 3, Appl1
C 260	28.2	3.2	5113	2	US-08-973-273-2	Sequence 1, Appl1	C 333	27.8	3.1	225	4	US-09-489-039A-7030	Sequence 7030, Ap
C 261	28.2	3.2	12912	2	US-08-460-751-1	Sequence 1, Appl1	C 334	27.8	3.1	338	4	US-09-621-976-2886	Sequence 2886, Ap
C 262	28.2	3.2	12912	4	US-09-479-467A-1	Sequence 1, Appl1	C 335	27.8	3.1	519	4	US-09-252-991A-14574	Sequence 14574, A
C 263	28.2	3.2	13807	3	US-09-052-469-5	Sequence 5, Appl1	C 336	27.8	3.1	612	4	US-09-252-991A-14359	Sequence 14359, A
C 264	28.2	3.2	13807	4	US-08-422-582-5	Sequence 5, Appl1	C 337	27.8	3.1	668	4	US-09-492-308A-17	Sequence 17, Appl1
C 265	28.2	3.2	13807	4	US-09-052-262-5	Sequence 5, Appl1	C 338	27.8	3.1	675	4	US-09-489-039A-7093	Sequence 7093, Ap
C 266	28.2	3.2	13941	4	US-09-799-451-341	Sequence 341, App	C 339	27.8	3.1	711	2	US-08-855-261A-2	Sequence 2, Appl1
C 267	28.2	3.2	14060	3	US-08-658-136-4	Sequence 4, Appl1	C 340	27.8	3.1	711	3	US-09-227-324-2	Sequence 2, Appl1
C 268	28.2	3.2	14148	3	US-09-052-469-7	Sequence 7, Appl1	C 341	27.8	3.1	711	4	US-09-855-288-2	Sequence 2, Appl1
C 269	28.2	3.2	14148	4	US-08-422-582-7	Sequence 7, Appl1	C 342	27.8	3.1	918	4	US-09-252-991A-14261	Sequence 14261, A
C 270	28.2	3.2	14148	4	US-09-052-262-7	Sequence 7, Appl1	C 343	27.8	3.1	968	3	US-09-227-357-93	Sequence 93, Appl1
C 271	28.2	3.2	31571	1	US-08-323-443B-1	Sequence 1, Appl1	C 344	27.8	3.1	1229	2	US-09-153-599A-1	Sequence 1, Appl1
C 272	28.2	3.2	32998	4	US-09-408-020-1	Sequence 1, Appl1	C 345	27.8	3.1	3359	4	US-09-023-655-1229	Sequence 1229, Ap
C 273	28.2	3.2	53526	3	US-08-658-136-2	Sequence 2, Appl1	C 346	27.8	3.1	4599	4	US-09-302-626B-61	Sequence 61, Appl1
C 274	28.2	3.2	53577	3	US-08-658-136-1	Sequence 1, Appl1	C 347	27.8	3.1	6060	1	US-07-551-531-1	Sequence 1, Appl1
C 275	28	3.1	203	4	US-09-513-999C-13205	Sequence 13205, A	C 348	27.8	3.1	1782	1	US-08-374-155A-13	Sequence 13, Appl1
C 276	28	3.1	261	4	US-09-313-294A-2337	Sequence 2337, Ap	C 349	27.8	3.1	1782	2	US-08-785-396-13	Sequence 13, Appl1
C 277	28	3.1	263	4	US-09-313-294A-3977	Sequence 3977, Ap	C 350	27.8	3.1	2299	4	US-09-153-599A-1	Sequence 1, Appl1
C 278	28	3.1	295	4	US-09-313-294A-6880	Sequence 6880, Ap	C 351	27.8	3.1	4599	4	US-09-302-626B-61	Sequence 61, Appl1
C 279	28	3.1	405	4	US-09-855-288-8	Sequence 8, Appl1	C 352	27.8	3.1	6060	1	US-07-551-531-1	Sequence 1, Appl1
C 280	28	3.1	473	4	US-09-513-999C-26008	Sequence 26008, A	C 353	27.8	3.1	6553	4	US-09-799-451-581	Sequence 581, App
C 281	28	3.1	505	4	US-09-621-976-15639	Sequence 15639, A	C 354	27.8	3.1	8937	2	US-08-449-933-1	Sequence 1, Appl1
C 282	28	3.1	603	4	US-09-252-991A-3153	Sequence 3153, Ap	C 355	27.8	3.1	9848	3	US-07-966-049A-3	Sequence 3, Appl1
C 283	28	3.1	731	4	US-09-270-767-26097	Sequence 26097, A	C 356	27.8	3.1	9848	4	US-09-385-222A-3	Sequence 1, Appl1
C 284	28	3.1	834	4	US-09-495-050A-288	Sequence 288, App	C 357	27.8	3.1	10706	1	US-08-411-389-1	Sequence 1, Appl1
C 285	28	3.1	936	4	US-09-583-110-1834	Sequence 1834, Ap	C 358	27.6	3.1	318	4	US-09-097-055B-88	Sequence 88, Appl1
C 286	28	3.1	1029	4	US-09-799-451-225	Sequence 225, App	C 359	27.6	3.1	360	2	US-08-997-080-79	Sequence 79, Appl1
C 287	28	3.1	1179	4	US-09-328-352-2639	Sequence 2639, App	C 360	27.6	3.1	360	2	US-08-997-362-79	Sequence 79, Appl1
C 288	28	3.1	1185	4	US-09-270-767-10653	Sequence 10653, A	C 361	27.6	3.1	360	3	US-08-873-970-79	Sequence 79, Appl1
C 289	28	3.1	1195	4	US-09-774-528-411	Sequence 411, App	C 362	27.6	3.1	360	3	US-09-095-855-79	Sequence 79, Appl1
C 290	28	3.1	1209	4	US-09-252-991A-6300	Sequence 6300, Ap	C 363	27.6	3.1	360	3	US-09-324-542-79	Sequence 79, Appl1
C 291	28	3.1	1278	4	US-09-252-991A-6009	Sequence 6009, Ap	C 364	27.6	3.1	360	4	US-09-205-426-79	Sequence 79, Appl1
C 292	28	3.1	1516	3	US-09-059-522-4	Sequence 4, Appl1	C 365	27.6	3.1	410	4	US-09-621-976-50	Sequence 50, Appl1
C 293	28	3.1	1516	3	US-09-382-027-4	Sequence 4, Appl1	C 366	27.6	3.1	423	4	US-09-270-767-3781	Sequence 3781, Ap
C 294	28	3.1	1756	4	US-09-774-528-340	Sequence 340, App	C 367	27.6	3.1	423	4	US-09-270-767-19063	Sequence 19063, A
C 295	28	3.1	2057	3	US-09-059-522-2	Sequence 2, Appl1	C 368	27.6	3.1	480	4	US-09-621-976-120	Sequence 120, App
C 296	28	3.1	2057	3	US-09-382-027-2	Sequence 2, Appl1	C 369	27.6	3.1	537	4	US-09-252-991A-14369	Sequence 14369, A
C 297	28	3.1	2576	3	US-09-265-108-1	Sequence 1, Appl1	C 370	27.6	3.1	705	4	US-09-252-991A-14236	Sequence 14236, A
C 298	28	3.1	2576	3	US-09-479-264-1	Sequence 1, Appl1	C 371	27.6	3.1	706	4	US-09-976-594-802	Sequence 802, App
C 299	28	3.1	2628	3	US-09-294-531B-5	Sequence 5, Appl1	C 372	27.6	3.1	806	4	US-09-774-528-427	Sequence 427, App
C 300	28	3.1	3469	4	US-09-560-385A-23	Sequence 23, Appl1	C 373	27.6	3.1	819	4	US-09-252-991A-11881	Sequence 11881, A
C 301	28	3.1	3511	4	US-09-560-385A-19	Sequence 19, Appl1	C 374	27.6	3.1	834	4	US-09-621-976-2574	Sequence 2574, Ap
C 302	28	3.1	3585	4	US-09-560-385A-21	Sequence 21, Appl1	C 375	27.6	3.1	846	4	US-09-252-991A-13345	Sequence 13245, A
C 303	28	3.1	3621	4	US-09-560-385A-17	Sequence 17, Appl1	C 376	27.6	3.1	879	4	US-09-252-991A-12714	Sequence 12714, A
C 304	28	3.1	3759	4	US-09-560-385A-15	Sequence 15, Appl1	C 377	27.6	3.1	912	2	US-09-090-567-3	Sequence 3, Appl1
C 305	28	3.1	3804	4	US-08-999-689A-1	Sequence 1, Appl1	C 378	27.6	3.1	930	4	US-09-252-991A-4633	Sequence 4633, Ap
C 306	28	3.1	3930	4	US-09-560-385A-13	Sequence 13, Appl1	C 379	27.6	3.1	1059	4	US-09-252-991A-7911	Sequence 7911, Ap
C 307	28	3.1	3931	4	US-08-144-121-1	Sequence 1, Appl1	C 380	27.6	3.1	1132	4	US-09-252-991A-7974	Sequence 7974, Ap
C 308	28	3.1	3931	2	US-08-735-893-1	Sequence 1, Appl1	C 381	27.6	3.1	1134	4	US-09-252-991A-8176	Sequence 8176, Ap
C 309	28	3.1	3971	4	US-09-876-176-1	Sequence 1, Appl1	C 382	27.6	3.1	1150	4	US-08-989-286-2	Sequence 2, Appl1
C 310	28	3.1	4108	4	US-09-919-172-15	Sequence 15, Appl1	C 383	27.6	3.1	1179	4	US-09-252-991A-4241	Sequence 4241, Ap
C 311	28	3.1	4267	4	US-09-661-753-17	Sequence 4, Appl1	C 384	27.6	3.1	1235	4	US-09-252-991A-9259	Sequence 9259, Ap
C 312	28	3.1	4366	4	US-09-270-767-29115	Sequence 29115, A	C 385	27.6	3.1	1347	4	US-09-252-991A-7764	Sequence 7764, Ap
C 313	28	3.1	5674	1	US-07-807-043B-8	Sequence 8, Appl1	C 386	27.6	3.1	1383	4	US-09-252-991A-13659	Sequence 13659, Ap
C 314	28	3.1	5674	1	US-08-190-411A-1	Sequence 1, Appl1	C 387	27.6	3.1	1438	4	US-09-489-039A-1795	Sequence 1795, Ap
C 315	28	3.1	5674	1	US-08-239-849B-8	Sequence 8, Appl1	C 388	27.6	3.1	1438	3	US-09-252-991A-12923	Sequence 12923, A
C 316	28	3.1	5674	2	US-08-560-024-1	Sequence 1, Appl1	C 389	27.6	3.1	1436	3	US-09-159-637A-131	Sequence 131, App
C 317	28	3.1	5674	2	US-08-142-368A-8	Sequence 8, Appl1	C 390	27.6	3.1	1455	4	US-09-252-991A-12561	Sequence 12561, A
C 318	28	3.1	5674	3	US-08-967-727-8	Sequence 8, Appl1	C 391	27.6	3.1	1455	4	US-09-489-039A-175	Sequence 175, App
C 319	28	3.1	5674	3	US-08-037-230D-8	Sequence 8, Appl1	C 392	27.6	3.1	1488	4	US-09-252-991A-9307	Sequence 9307, Ap

C 393	27.6	3.1	1494	4	US-09-252-991A-7568	Sequence 7568, Ap	466	27.4	3.1	6994	3	US-08-675-566-1	Sequence 1, Appl1
C 394	27.6	3.1	1512	4	US-09-489-039A-3551	Sequence 3551, Ap	467	27.4	3.1	7001	3	US-08-675-566-3	Sequence 3, Appl1
C 395	27.6	3.1	1602	4	US-09-252-991A-9270	Sequence 9270, Ap	468	27.4	3.1	7096	4	US-09-221-017B-373	Sequence 373, App
C 396	27.6	3.1	1679	4	US-09-620-312D-997	Sequence 997, App	C 469	27.4	3.1	7785	2	US-08-276-967-1	Sequence 1, Appl1
C 397	27.6	3.1	1719	4	US-09-252-991A-4534	Sequence 4534, Ap	470	27.4	3.1	9515	1	US-08-820-812-13	Sequence 13, Appl1
C 398	27.6	3.1	1803	4	US-09-252-991A-15466	Sequence 15466, A	471	27.4	3.1	9515	1	US-08-920-827-13	Sequence 13, Appl1
C 399	27.6	3.1	2376	4	US-09-252-991A-15323	Sequence 15323, A	472	27.4	3.1	9515	1	US-08-921-177-13	Sequence 13, Appl1
C 400	27.6	3.1	2401	3	US-09-320-878-20	Sequence 20, Appl1	473	27.4	3.1	9515	2	US-08-362-577C-13	Sequence 13, Appl1
C 401	27.6	3.1	2401	4	US-09-141-908-9	Sequence 20, Appl1	474	27.4	3.1	9515	2	US-08-920-828-13	Sequence 13, Appl1
C 402	27.6	3.1	2401	4	US-09-657-440-20	Sequence 20, Appl1	C 475	27.4	3.1	9919	3	US-08-880-179-1	Sequence 1, Appl1
C 403	27.6	3.1	2406	4	US-09-252-991A-11299	Sequence 11299, A	C 476	27.4	3.1	10260	4	US-08-961-527-32	Sequence 32, Appl1
C 404	27.6	3.1	2497	4	US-09-620-312D-47	Sequence 47, Appl1	C 477	27.4	3.1	11220	3	US-09-105-537-32	Sequence 32, Appl1
C 405	27.6	3.1	2676	4	US-09-252-991A-15370	Sequence 15370, A	C 478	27.4	3.1	15849	4	US-09-054-272-50	Sequence 50, Appl1
C 406	27.6	3.1	2885	4	US-09-016-434-1143	Sequence 113, App	C 479	27.4	3.1	32798	4	US-09-604-694B-1	Sequence 1, Appl1
C 407	27.6	3.1	2976	4	US-09-774-528-317	Sequence 317, App	C 480	27.4	3.1	34303	2	US-08-735-609-4	Sequence 4, Appl1
C 408	27.6	3.1	10480	4	US-09-732-615-13	Sequence 317, App	C 481	27.4	3.1	34303	2	US-08-735-609-4	Sequence 4, Appl1
C 409	27.6	3.1	10480	4	US-10-273-051-13	Sequence 13, Appl1	C 482	27.4	3.1	34303	3	US-09-244-752-4	Sequence 4, Appl1
C 410	27.6	3.1	10480	4	US-09-105-537-1	Sequence 1, Appl1	C 483	27.4	3.1	34303	3	US-09-244-752-4	Sequence 4, Appl1
C 411	27.6	3.1	15872	4	US-09-091-609-1	Sequence 1, Appl1	C 484	27.4	3.1	34303	3	US-09-244-752-4	Sequence 4, Appl1
C 412	27.6	3.1	15872	4	US-09-091-609-1	Sequence 1, Appl1	C 485	27.4	3.1	34303	3	US-09-244-752-4	Sequence 4, Appl1
C 413	27.6	3.1	15872	4	US-09-091-609-3	Sequence 3, Appl1	C 486	27.4	3.1	34303	3	US-09-244-752-4	Sequence 4, Appl1
C 414	27.6	3.1	36241	4	US-09-311-731A-134	Sequence 13, App	C 487	27.4	3.1	35408	3	US-08-973-334-3	Sequence 3, Appl1
C 415	27.6	3.1	536165	4	US-09-214-808-1	Sequence 1, Appl1	C 488	27.4	3.1	35408	3	US-08-563-869A-3	Sequence 3, Appl1
C 416	27.4	3.1	300	3	US-09-172-108-2	Sequence 2, Appl1	C 489	27.4	3.1	35408	3	US-08-549-489-3	Sequence 3, Appl1
C 417	27.4	3.1	300	3	US-09-172-108-2	Sequence 2, Appl1	C 490	27.4	3.1	35408	3	US-08-549-489-3	Sequence 3, Appl1
C 418	27.4	3.1	313	4	US-09-023-655-837	Sequence 837, App	C 491	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 419	27.4	3.1	344	4	US-09-615-192A-243	Sequence 243, App	C 492	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 420	27.4	3.1	463	1	US-08-253-155A-59	Sequence 59, Appl1	C 493	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 421	27.4	3.1	534	3	US-08-833-167-87	Sequence 87, Appl1	C 494	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 422	27.4	3.1	534	3	US-09-344-837A-87	Sequence 87, Appl1	C 495	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 423	27.4	3.1	577	4	US-09-621-976-15251	Sequence 15251, A	C 496	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 424	27.4	3.1	687	4	US-09-615-192A-242	Sequence 242, App	C 497	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 425	27.4	3.1	1159	4	US-09-799-451-552	Sequence 552, App	C 498	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 426	27.4	3.1	1256	4	US-09-896-866B-6	Sequence 6, Appl1	C 499	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 427	27.4	3.1	1308	2	US-09-896-866B-5	Sequence 5, Appl1	C 500	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 428	27.4	3.1	1308	2	US-08-404-531B-1	Sequence 1, Appl1	C 501	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 429	27.4	3.1	1308	2	US-08-404-531B-1	Sequence 1, Appl1	C 502	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 430	27.4	3.1	1308	2	US-08-476-900A-1	Sequence 1, Appl1	C 503	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 431	27.4	3.1	1308	3	US-08-476-900A-2	Sequence 2, Appl1	C 504	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 432	27.4	3.1	1308	3	US-08-488-546A-1	Sequence 1, Appl1	C 505	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 433	27.4	3.1	1308	3	US-08-488-546A-2	Sequence 2, Appl1	C 506	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 434	27.4	3.1	1317	4	US-09-896-866B-9	Sequence 9, Appl1	C 507	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 435	27.4	3.1	1420	3	US-09-363-506-1	Sequence 1, Appl1	C 508	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 436	27.4	3.1	1423	3	US-08-961-083-59	Sequence 59, Appl1	C 509	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 437	27.4	3.1	1467	4	US-09-536-784-59	Sequence 59, Appl1	C 510	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 438	27.4	3.1	1683	4	US-09-252-991A-6508	Sequence 6508, App	C 511	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 439	27.4	3.1	1790	4	US-09-583-110-2519	Sequence 2519, Ap	C 512	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 440	27.4	3.1	1792	4	US-09-066-436-40	Sequence 11, Appl1	C 513	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 441	27.4	3.1	2043	4	US-09-252-991A-10068	Sequence 40, Appl1	C 514	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 442	27.4	3.1	2089	3	US-09-079-431B-5	Sequence 1068, A	C 515	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 443	27.4	3.1	2254	3	US-09-079-431B-3	Sequence 3, Appl1	C 516	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 444	27.4	3.1	2257	3	US-09-079-431B-1	Sequence 1, Appl1	C 517	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 445	27.4	3.1	2454	2	US-08-404-531B-32	Sequence 32, Appl1	C 518	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 446	27.4	3.1	2454	2	US-08-476-900A-32	Sequence 32, Appl1	C 519	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 447	27.4	3.1	2454	3	US-08-488-546A-32	Sequence 32, Appl1	C 520	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 448	27.4	3.1	2571	4	US-09-984-880-1	Sequence 1, Appl1	C 521	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 449	27.4	3.1	2571	4	US-10-277-032-1	Sequence 1, Appl1	C 522	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 450	27.4	3.1	2792	4	US-09-657-013-46	Sequence 46, Appl1	C 523	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 451	27.4	3.1	2815	4	US-09-657-013-43	Sequence 43, Appl1	C 524	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 452	27.4	3.1	2903	4	US-09-799-451-871	Sequence 871, App	C 525	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 453	27.4	3.1	2943	4	US-09-221-017B-153	Sequence 153, App	C 526	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 454	27.4	3.1	2961	4	US-09-657-013-44	Sequence 44, App	C 527	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 455	27.4	3.1	4931	3	US-08-726-320-2	Sequence 2, Appl1	C 528	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 456	27.4	3.1	4931	3	US-08-208-716-2	Sequence 2, Appl1	C 529	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 457	27.4	3.1	5635	2	US-08-989-478-1	Sequence 1, Appl1	C 530	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 458	27.4	3.1	5635	2	US-08-989-478-1	Sequence 1, Appl1	C 531	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 459	27.4	3.1	5655	3	US-08-996-685-1	Sequence 1, Appl1	C 532	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 460	27.4	3.1	6045	3	US-08-880-179-2	Sequence 2, Appl1	C 533	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 461	27.4	3.1	6244	3	US-08-675-566-17	Sequence 17, Appl1	C 534	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 462	27.4	3.1	6447	3	US-08-675-566-18	Sequence 16, Appl1	C 535	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 463	27.4	3.1	6578	3	US-08-675-566-16	Sequence 16, Appl1	C 536	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 464	27.4	3.1	6612	3	US-08-675-566-15	Sequence 15, Appl1	C 537	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1
C 465	27.4	3.1	6958	3	US-08-675-566-15	Sequence 15, Appl1	C 538	27.4	3.1	35871	4	US-09-956-332-2	Sequence 3, Appl1

539	27.2	3.1	1821	2	US-08-265-310-7	Sequence 7, Appl1	C 612	27	3.0	1989	4	US-09-252-991A-1821	Sequence 1821, Ap
530	27.2	3.1	1821	3	US-08-951-742-7	Sequence 7, Appl1	613	27	3.0	2012	4	US-09-561-861-1	Sequence 1, Appl1
521	27.2	3.1	1922	3	US-09-484-970B-150	Sequence 150, Appl	614	27	3.0	2211	4	US-09-252-991A-15685	Sequence 15685, A
522	27.2	3.1	2211	3	US-09-318-448-26	Sequence 26, Appl	C 615	27	3.0	2406	2	US-08-463-081B-1	Sequence 1, Appl1
523	27.2	3.1	2211	3	US-09-347-878-2	Sequence 2, Appl1	C 616	27	3.0	2406	2	US-08-463-39A-1	Sequence 1, Appl1
544	27.2	3.1	2211	4	US-09-546-013-4	Sequence 4, Appl1	C 617	27	3.0	2406	2	US-08-463-39B-1	Sequence 1, Appl1
545	27.2	3.1	2238	4	US-09-489-039A-3733	Sequence 3733, Ap	C 618	27	3.0	2406	2	US-08-463-074B-1	Sequence 1, Appl1
546	27.2	3.1	2463	1	US-08-339-578-1	Sequence 1, Appl1	C 619	27	3.0	2406	3	US-08-465-585C-1	Sequence 1, Appl1
548	27.2	3.1	2823	4	US-09-270-767-1868	Sequence 1868, Ap	C 620	27	3.0	2406	3	US-08-652-446-1	Sequence 1, Appl1
549	27.2	3.1	3260	1	US-07-674-287B-3	Sequence 17150, A	C 621	27	3.0	2415	3	US-08-306-922-1	Sequence 1, Appl1
550	27.2	3.1	3260	2	US-08-436-900A-3	Sequence 3, Appl1	C 622	27	3.0	2496	4	US-09-799-471-672	Sequence 872, Ap
C 551	27.2	3.1	4138	4	US-09-920-804-3	Sequence 3, Appl1	623	27	3.0	2565	3	US-08-597-495B-29	Sequence 29, Appl
C 552	27.2	3.1	5735	4	US-09-734-674-1	Sequence 1, Appl1	624	27	3.0	2565	3	US-09-068-051A-31	Sequence 31, Appl
553	27.2	3.1	8078	3	US-08-870-126-12	Sequence 12, Appl1	625	27	3.0	2793	2	US-09-336-536-68	Sequence 68, Appl
554	27.2	3.1	8078	4	US-09-445-247-12	Sequence 12, Appl	626	27	3.0	2803	3	US-09-068-051A-33	Sequence 33, Appl
C 555	27.2	3.1	11958	3	US-09-134-246-8	Sequence 8, Appl1	627	27	3.0	2906	4	US-09-799-451-98	Sequence 436, Ap
556	27.2	3.1	11985	1	US-08-652-972A-6	Sequence 6, Appl1	628	27	3.0	3311	2	US-08-239-276-10	Sequence 10, Appl
557	27.2	3.1	14985	5	PCT-US96-06231A-6	Sequence 1, Appl1	629	27	3.0	3311	2	US-08-468-579B-10	Sequence 10, Appl
558	27.2	3.1	47981	4	US-09-679-279-1	Sequence 1, Appl1	630	27	3.0	3311	3	US-08-468-577B-10	Sequence 10, Appl
559	27.2	3.1	54550	4	US-10-327-189-42	Sequence 42, Appl1	631	27	3.0	3423	4	US-09-620-312D-126	Sequence 126, Ap
C 560	27.2	3.1	70000	4	US-09-851-886-3	Sequence 3, Appl1	632	27	3.0	3613	3	US-08-514-213A-1	Sequence 1, Appl1
561	27.2	3.1	137000	4	US-10-172-911-11	Sequence 11, Appl1	633	27	3.0	3613	4	US-09-015-319-9	Sequence 9, Appl1
C 562	27	3.0	189	4	US-09-513-999C-17647	Sequence 17647, A	634	27	3.0	3637	4	US-09-566-921-5	Sequence 5, Appl1
563	27	3.0	250	4	US-09-513-999C-12638	Sequence 12638, A	635	27	3.0	3711	4	US-09-566-921-126	Sequence 126, Ap
564	27	3.0	408	4	US-09-252-991A-4412	Sequence 4412, Ap	C 636	27	3.0	5057	4	US-09-560-385A-35	Sequence 35, Appl
C 565	27	3.0	408	4	US-09-489-039A-1781	Sequence 1781, Ap	C 637	27	3.0	5159	4	US-09-560-385A-33	Sequence 33, Appl
C 566	27	3.0	450	4	US-09-270-767-1252	Sequence 1252, Ap	C 638	27	3.0	5915	4	US-10-204-708-77	Sequence 77, Appl
C 567	27	3.0	450	4	US-09-270-767-16534	Sequence 16534, A	C 639	27	3.0	6065	4	US-09-800-729-35	Sequence 35, Appl
568	27	3.0	455	4	US-09-513-999C-9269	Sequence 9269, Ap	C 640	27	3.0	22067	3	US-09-820-001-3	Sequence 3, Appl1
569	27	3.0	456	4	US-09-252-991A-15624	Sequence 15624, A	641	27	3.0	29629	4	US-09-729-995-3	Sequence 3, Appl1
570	27	3.0	498	4	US-09-252-991A-2063	Sequence 2063, Ap	642	27	3.0	29629	4	US-10-135-689-3	Sequence 3, Appl1
C 571	27	3.0	555	5	PCT-US94-12873-13	Sequence 13, Appl	C 643	27	3.0	300	4	US-09-313-294A-1370	Sequence 1370, Ap
C 572	27	3.0	555	5	US-09-221-017B-223	Sequence 223, Ap	644	27	3.0	3261	4	US-09-513-999C-16815	Sequence 16815, A
C 573	27	3.0	613	4	US-09-252-991A-4615	Sequence 4615, Ap	C 645	27	3.0	371	4	US-09-855-288-4	Sequence 4, Appl
C 574	27	3.0	744	4	US-09-252-991A-15563	Sequence 15563, A	646	27	3.0	422	4	US-09-855-288-4	Sequence 4, Appl
C 575	27	3.0	934	4	US-09-489-039A-3310	Sequence 3310, Ap	C 647	27	3.0	440	4	US-09-621-976-16656	Sequence 16656, A
C 576	27	3.0	960	1	US-08-597-495B-23	Sequence 23, Appl	648	27	3.0	440	4	US-09-270-767-024	Sequence 2, Appl
577	27	3.0	960	3	US-09-068-051A-23	Sequence 23, Appl	649	27	3.0	440	4	US-09-270-767-17306	Sequence 17306, A
C 578	27	3.0	987	4	US-09-252-991A-4259	Sequence 4259, Ap	C 650	27	3.0	453	4	US-09-060-756-109	Sequence 109, Ap
579	27	3.0	1002	4	US-09-257-179-27	Sequence 27, Appl	C 651	27	3.0	488	4	US-09-480-251-1	Sequence 1, Appl1
580	27	3.0	1083	3	US-09-252-991A-2517	Sequence 2517, Ap	C 652	27	3.0	527	4	US-09-621-976-5582	Sequence 3582, Ap
581	27	3.0	1101	3	US-08-987-904A-3	Sequence 3, Appl1	C 653	27	3.0	579	4	US-09-252-991A-5205	Sequence 5205, Ap
582	27	3.0	1107	4	US-09-438-623A-3	Sequence 3, Appl1	C 654	27	3.0	636	4	US-09-252-991A-470	Sequence 470, Ap
583	27	3.0	1107	4	US-09-252-991A-3881	Sequence 3881, Ap	C 655	27	3.0	701	4	US-09-976-594-611	Sequence 611, Ap
584	27	3.0	1113	4	US-09-489-039A-1851	Sequence 1851, Ap	656	27	3.0	789	4	US-09-489-039A-5351	Sequence 5351, Ap
585	27	3.0	1155	4	US-09-252-991A-4515	Sequence 4515, Ap	657	27	3.0	810	2	US-08-599-895-10	Sequence 10, Appl
586	27	3.0	1161	4	US-09-679-971-1	Sequence 1, Appl1	658	27	3.0	810	3	US-09-211-290-10	Sequence 10, Appl
587	27	3.0	1182	4	US-09-252-991A-200	Sequence 200, Ap	659	27	3.0	810	3	US-09-030-613-10	Sequence 10, Appl
C 588	27	3.0	1221	4	US-09-252-991A-10939	Sequence 10939, A	660	27	3.0	810	3	US-09-322-676-10	Sequence 10, Appl
C 589	27	3.0	1269	4	US-09-252-991A-11061	Sequence 11061, A	661	27	3.0	810	3	US-09-466-036A-10	Sequence 10, Appl
C 590	27	3.0	1317	4	US-09-252-991A-2139	Sequence 2139, Ap	662	27	3.0	810	3	US-09-451-905-10	Sequence 10, Appl
591	27	3.0	1337	4	US-09-270-767-44156	Sequence 14156, A	663	27	3.0	876	4	US-09-252-991A-5353	Sequence 5353, Ap
592	27	3.0	1370	4	US-09-221-017B-716	Sequence 716, Ap	664	27	3.0	927	4	US-09-489-039A-4427	Sequence 4427, Ap
C 593	27	3.0	1387	4	US-09-934-901-13	Sequence 13, Appl	665	27	3.0	951	4	US-09-543-681A-2898	Sequence 2898, Ap
C 594	27	3.0	1387	4	US-09-934-868-3	Sequence 3, Appl1	C 666	27	3.0	1119	4	US-09-602-787A-597	Sequence 597, Ap
C 595	27	3.0	1387	4	US-10-321-210-13	Sequence 13, Appl1	C 667	27	3.0	1124	4	US-09-023-655-1308	Sequence 1308, Ap
C 596	27	3.0	1387	4	US-10-320-874-13	Sequence 13, Appl	668	27	3.0	1125	4	US-09-248-796A-1905	Sequence 1905, Ap
C 597	27	3.0	1394	3	US-09-453-702B-30	Sequence 30, Appl	C 669	27	3.0	1153	4	US-08-806-708B-22	Sequence 22, Appl1
C 598	27	3.0	1431	4	US-09-252-991A-2397	Sequence 2397, Ap	670	27	3.0	1176	4	US-09-252-991A-5189	Sequence 5189, Ap
C 599	27	3.0	1452	4	US-09-543-681A-1985	Sequence 1985, Ap	671	27	3.0	1275	4	US-09-221-017B-961	Sequence 961, Ap
600	27	3.0	1575	4	US-10-140-002-431	Sequence 431, Ap	C 672	27	3.0	1275	4	US-09-489-039A-5359	Sequence 5359, Ap
601	27	3.0	1578	4	US-09-602-787A-613	Sequence 613, Ap	C 673	27	3.0	1446	4	US-09-543-681A-1015	Sequence 1015, Ap
C 602	27	3.0	1641	4	US-09-252-991A-11134	Sequence 11134, A	674	27	3.0	1542	4	US-09-711-164-155	Sequence 155, Ap
C 603	27	3.0	1665	4	US-09-270-767-12681	Sequence 12681, A	675	27	3.0	1608	3	US-09-029-348A-19	Sequence 19, Appl
C 604	27	3.0	1701	4	US-09-252-991A-219	Sequence 219, Ap	C 676	27	3.0	1710	4	US-09-252-991A-5271	Sequence 5271, Ap
C 605	27	3.0	1938	2	US-08-919-421A-1	Sequence 228, Ap	C 677	27	3.0	1823	4	US-07-718-535-5	Sequence 356, Ap
606	27	3.0	1962	3	US-09-342-819-1	Sequence 1, Appl1	678	27	3.0	1926	1	US-08-161-999-5	Sequence 5, Appl1
607	27	3.0	1962	3	US-09-526-833-1	Sequence 1, Appl1	679	27	3.0	1951	3	US-08-922-865-1	Sequence 1, Appl1
608	27	3.0	1963	4	US-09-252-991A-15635	Sequence 15635, A	680	27	3.0	1951	4	US-09-510-949-1	Sequence 1, Appl1
609	27	3.0	1963	4			681	27	3.0				
610	27	3.0	1963	4			682	27	3.0				
C 611	27	3.0	1963	4			683	27	3.0				
	27	3.0	1963	4			684	27	3.0				

685	26.8	3.0	2082	4	US-09-252-991A-2596	Sequence 2596, Ap	758	26.6	3.0	996	4	US-09-252-991A-1332	Sequence 1332, Ap
C 686	26.8	3.0	2089	3	US-09-079-431B-5	Sequence 5, Appl1	C 759	26.6	3.0	1008	4	US-09-489-039A-4887	Sequence 4987, Ap
C 687	26.8	3.0	2106	1	US-07-718-535-4	Sequence 4, Appl1	C 760	26.6	3.0	1008	4	US-09-252-991A-16293	Sequence 16293, A
C 688	26.8	3.0	2106	1	US-08-161-999-4	Sequence 4, Appl1	C 761	26.6	3.0	1001	4	US-09-072-596-322	Sequence 322, App
C 689	26.8	3.0	2254	3	US-09-079-431B-3	Sequence 3, Appl1	C 762	26.6	3.0	1073	4	US-09-072-596-322	Sequence 322, App
C 690	26.8	3.0	2257	3	US-09-079-431B-1	Sequence 1, Appl1	C 763	26.6	3.0	1083	4	US-09-252-991A-7327	Sequence 7327, Ap
C 691	26.8	3.0	2308	1	US-07-686-591-3	Sequence 3, Appl1	C 764	26.6	3.0	1106	1	US-08-389-668A-3	Sequence 3, Appl1
C 692	26.8	3.0	2308	1	US-07-970-715-3	Sequence 3, Appl1	C 765	26.6	3.0	1106	1	US-08-732-506-3	Sequence 3, Appl1
C 693	26.8	3.0	2355	4	US-09-313-942-29	Sequence 29, Appl1	C 766	26.6	3.0	1106	5	PCT-US95-05768-3	Sequence 3, Appl1
C 694	26.8	3.0	2380	6	5268463-1	Sequence 2514, Ap	C 767	26.6	3.0	1141	4	US-09-806-708B-22	Sequence 22, Appl1
C 695	26.8	3.0	2380	4	US-09-252-991A-2514	Sequence 2514, Ap	C 768	26.6	3.0	1141	2	US-08-446-875-11	Sequence 11, Appl1
C 696	26.8	3.0	2657	1	US-07-718-535-2	Sequence 2, Appl1	C 769	26.6	3.0	1158	2	US-08-102-385G-11	Sequence 11, Appl1
C 697	26.8	3.0	2657	1	US-08-161-999-2	Sequence 2, Appl1	C 770	26.6	3.0	1159	4	US-09-270-767-9812	Sequence 9812, A
C 698	26.8	3.0	2792	4	US-09-657-013-46	Sequence 46, Appl1	C 771	26.6	3.0	1159	4	US-09-270-767-9812	Sequence 9812, A
C 699	26.8	3.0	2815	4	US-09-657-013-43	Sequence 43, Appl1	C 772	26.6	3.0	1212	4	US-09-252-991A-6685	Sequence 6685, Ap
C 700	26.8	3.0	2862	4	US-09-252-991A-43	Sequence 44, Appl1	C 773	26.6	3.0	1221	4	US-09-252-991A-1186	Sequence 1186
C 701	26.8	3.0	2961	4	US-09-657-013-44	Sequence 44, Appl1	C 774	26.6	3.0	1224	4	US-09-252-991A-2778	Sequence 2778, Ap
C 702	26.8	3.0	3153	3	US-09-175-928-9	Sequence 9, Appl1	C 775	26.6	3.0	1372	4	US-09-221-017B-501	Sequence 501, App
C 703	26.8	3.0	3153	3	US-09-175-928-9	Sequence 9, Appl1	C 776	26.6	3.0	1380	4	US-09-252-991A-6613	Sequence 6613, Ap
C 704	26.8	3.0	4228	4	US-09-252-991A-418	Sequence 418, App	C 777	26.6	3.0	1380	4	US-09-583-110-2356	Sequence 2356, Ap
C 705	26.8	3.0	4477	4	US-09-023-655-1447	Sequence 1447, Ap	C 778	26.6	3.0	1382	4	US-08-350-325A-6	Sequence 6, Appl1
C 706	26.8	3.0	5078	4	US-09-620-312D-565	Sequence 193, App	C 779	26.6	3.0	1382	5	PCT-US94-03856-6	Sequence 1288, Ap
C 707	26.8	3.0	6422	4	US-09-976-594-715	Sequence 565, App	C 780	26.6	3.0	1431	4	US-09-620-312D-885	Sequence 885, App
C 708	26.8	3.0	6453	1	US-08-306-691B-14	Sequence 715, App	C 781	26.6	3.0	1455	4	US-09-252-991A-1288	Sequence 1288, Ap
C 709	26.8	3.0	6453	1	US-08-306-691B-14	Sequence 14, Appl1	C 782	26.6	3.0	1455	4	US-09-620-312D-885	Sequence 885, App
C 710	26.8	3.0	6453	3	US-09-356-952-8	Sequence 8, Appl1	C 783	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 711	26.8	3.0	6503	3	US-09-404-650-12	Sequence 12, Appl1	C 784	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 712	26.8	3.0	6503	3	US-09-935-541-12	Sequence 12, Appl1	C 785	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 713	26.8	3.0	6545	5	PCT-US95-13799-3	Sequence 12, Appl1	C 786	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 714	26.8	3.0	7326	1	US-08-194-468-1	Sequence 3, Appl1	C 787	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 715	26.8	3.0	7326	1	US-08-194-468-1	Sequence 3, Appl1	C 788	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 716	26.8	3.0	7326	4	US-09-514-247A-7	Sequence 7, Appl1	C 789	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 717	26.8	3.0	7344	3	US-09-686-316-1	Sequence 14, Appl1	C 790	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 718	26.8	3.0	8082	1	US-08-306-691B-41	Sequence 41, Appl1	C 791	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 719	26.8	3.0	8082	1	US-08-306-691B-41	Sequence 11, Appl1	C 792	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 720	26.8	3.0	8082	1	US-08-306-691B-41	Sequence 11, Appl1	C 793	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 721	26.8	3.0	8082	1	US-08-306-691B-41	Sequence 11, Appl1	C 794	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 722	26.8	3.0	8082	5	PCT-US93-06251-28	Sequence 28, Appl1	C 795	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 723	26.8	3.0	8082	5	PCT-US93-06251-28	Sequence 5, Appl1	C 796	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 724	26.8	3.0	45716	3	US-08-965-048-5	Sequence 5, Appl1	C 797	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 725	26.8	3.0	45989	4	US-08-965-048-6	Sequence 11, Appl1	C 798	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 726	26.8	3.0	392000	4	US-10-027-983-11	Sequence 11, Appl1	C 799	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 727	26.6	3.0	126	4	US-09-513-999C-14204	Sequence 11204, A	C 800	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 728	26.6	3.0	219	4	US-09-702-705-1124	Sequence 1124, Ap	C 801	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 729	26.6	3.0	219	4	US-09-736-457-1124	Sequence 1124, Ap	C 802	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 730	26.6	3.0	219	4	US-09-614-148-1124	Sequence 1124, Ap	C 803	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 731	26.6	3.0	219	4	US-09-614-148-1124	Sequence 1124, Ap	C 804	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 732	26.6	3.0	219	4	US-09-658-824-1124	Sequence 1124, Ap	C 805	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 733	26.6	3.0	219	4	US-09-658-824-1124	Sequence 1124, Ap	C 806	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 734	26.6	3.0	294	4	US-09-702-705-1199	Sequence 1199, Ap	C 807	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 735	26.6	3.0	294	4	US-09-736-457-1199	Sequence 1199, Ap	C 808	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 736	26.6	3.0	294	4	US-09-658-824-1199	Sequence 1199, Ap	C 809	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 737	26.6	3.0	294	4	US-09-658-824-1199	Sequence 1199, Ap	C 810	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 738	26.6	3.0	384	3	US-08-444-644-14	Sequence 14, Appl1	C 811	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 739	26.6	3.0	384	3	US-08-444-644-14	Sequence 14, Appl1	C 812	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 740	26.6	3.0	394	4	US-09-232-246A-14	Sequence 14, Appl1	C 813	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 741	26.6	3.0	401	4	US-09-513-999C-3611	Sequence 3611, Ap	C 814	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 742	26.6	3.0	402	4	US-09-621-976-17201	Sequence 17201, A	C 815	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 743	26.6	3.0	414	4	US-09-980-052-7	Sequence 7, Appl1	C 816	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 744	26.6	3.0	468	4	US-09-489-039A-307	Sequence 307, App	C 817	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 745	26.6	3.0	468	4	US-09-489-039A-307	Sequence 307, App	C 818	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 746	26.6	3.0	474	4	US-09-621-976-509	Sequence 509, App	C 819	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 747	26.6	3.0	474	4	US-09-252-991A-6449	Sequence 6449, Ap	C 820	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 748	26.6	3.0	483	4	US-09-621-976-18033	Sequence 18033, A	C 821	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 749	26.6	3.0	490	4	US-09-621-976-1895	Sequence 1895, A	C 822	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 750	26.6	3.0	574	3	US-09-621-976-223	Sequence 223, App	C 823	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 751	26.6	3.0	603	4	US-09-252-991A-7177	Sequence 223, App	C 824	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 752	26.6	3.0	603	4	US-09-252-991A-7177	Sequence 223, App	C 825	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 753	26.6	3.0	642	4	US-09-252-991A-4256	Sequence 4256, Ap	C 826	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 754	26.6	3.0	693	4	US-09-489-039A-3104	Sequence 3104, Ap	C 827	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 755	26.6	3.0	712	4	US-09-270-767-11158	Sequence 11158, A	C 828	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 756	26.6	3.0	825	4	US-09-359-301A-30	Sequence 30, Appl1	C 829	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
C 757	26.6	3.0	898	4	US-09-489-039A-7168	Sequence 7168, Ap	C 830	26.6	3.0	1455	4	US-09-252-991A-5850	Sequence 5850, Ap
					US-09-270-767-10580	Sequence 10580, A							

C 831	26.6	3.0	6827	1	US-08-222-616-17	Sequence 17, Appl	904	26.4	3.0	1333	3	US-09-372-422A-9	Sequence 9, Appl1
C 832	26.6	3.0	6827	3	US-08-446-648-17	Sequence 17, Appl	905	26.4	3.0	1341	4	US-10-162-012-7	Sequence 7, Appl1
C 833	26.6	3.0	6827	4	US-09-982-610-17	Sequence 17, Appl	C 906	26.4	3.0	1365	4	US-09-968-362A-21	Sequence 21, Appl
C 834	26.6	3.0	6827	5	PCT-US95-04328-17	Sequence 17, Appl	C 907	26.4	3.0	1368	4	US-09-968-362A-17	Sequence 17, Appl
C 835	26.6	3.0	7198	3	US-08-994-035C-4	Sequence 4, Appl1	C 908	26.4	3.0	1371	4	US-09-968-362A-19	Sequence 19, Appl
C 836	26.6	3.0	7198	4	US-09-395-861-4	Sequence 4, Appl1	C 909	26.4	3.0	1464	4	US-09-252-991A-12821	Sequence 12821, A
C 837	26.6	3.0	9108	3	US-08-446-648-45	Sequence 45, Appl	C 910	26.4	3.0	1535	3	US-08-464-002-1	Sequence 1, Appl1
C 838	26.6	3.0	9108	4	US-09-982-610-45	Sequence 45, Appl	C 911	26.4	3.0	1535	3	US-08-464-002-1	Sequence 1, Appl1
C 839	26.6	3.0	9108	5	PCT-US95-04228-45	Sequence 45, Appl	C 912	26.4	3.0	1535	3	US-08-689-411-1	Sequence 1, Appl1
C 840	26.6	3.0	10642	4	US-09-934-551-3	Sequence 3, Appl1	C 913	26.4	3.0	1535	3	US-08-392-210-1	Sequence 1, Appl1
C 841	26.6	3.0	10642	4	US-10-224-414-3	Sequence 3, Appl1	C 914	26.4	3.0	1535	5	PCT-US94-09663-1	Sequence 1, Appl1
C 842	26.6	3.0	17000	4	US-09-691-220-3	Sequence 3, Appl1	C 915	26.4	3.0	1578	4	US-08-681-129-1	Sequence 1, Appl1
C 843	26.6	3.0	19307	4	US-08-836-022A-10	Sequence 10, Appl1	C 916	26.4	3.0	1590	4	US-09-463-451-31	Sequence 31, Appl1
C 844	26.6	3.0	19307	3	US-09-427-048A-10	Sequence 10, Appl1	C 917	26.4	3.0	1590	4	US-09-463-451-32	Sequence 32, Appl1
C 845	26.6	3.0	20966	4	US-09-776-976-7	Sequence 7, Appl1	C 918	26.4	3.0	1608	4	US-09-252-991A-14491	Sequence 14491, A
C 846	26.6	3.0	20966	4	US-09-909-547-7	Sequence 7, Appl1	C 919	26.4	3.0	1608	4	US-09-540-226-781	Sequence 781, App
C 847	26.6	3.0	20966	4	US-09-563-852B-1	Sequence 1, Appl1	C 920	26.4	3.0	1675	2	US-08-244-025-12	Sequence 12, Appl
C 848	26.6	3.0	33529	3	US-09-144-085-3	Sequence 3, Appl1	C 921	26.4	3.0	1675	5	PCT-US92-10284-12	Sequence 12, Appl
C 849	26.6	3.0	48974	3	US-08-920-422-17	Sequence 17, Appl1	C 922	26.4	3.0	1701	3	US-09-264-737-3	Sequence 3, Appl1
C 850	26.4	3.0	96	4	US-09-513-999C-29566	Sequence 29566, A	C 923	26.4	3.0	1719	3	US-09-237-111-1	Sequence 1, Appl1
C 851	26.4	3.0	191	4	US-09-513-999C-12798	Sequence 12798, A	C 924	26.4	3.0	1719	4	US-09-583-110-738	Sequence 738, App
C 852	26.4	3.0	294	3	US-08-991-789A-20	Sequence 20, Appl	C 925	26.4	3.0	1746	4	US-09-252-991A-8948	Sequence 8948, Ap
C 853	26.4	3.0	294	3	US-09-062-451-20	Sequence 20, Appl	C 926	26.4	3.0	1748	3	US-09-453-702B-233	Sequence 233, App
C 854	26.4	3.0	294	4	US-09-598-326-20	Sequence 20, Appl	C 927	26.4	3.0	1774	4	US-09-149-476-94	Sequence 94, Appl
C 855	26.4	3.0	294	4	US-09-289-198-20	Sequence 20, Appl	C 928	26.4	3.0	1855	3	US-08-961-083-71	Sequence 71, Appl
C 856	26.4	3.0	294	4	US-09-429-755-20	Sequence 20, Appl	C 929	26.4	3.0	1855	4	US-09-536-784-71	Sequence 71, Appl
C 857	26.4	3.0	295	4	US-09-313-294A-6387	Sequence 6387, Ap	C 930	26.4	3.0	1866	4	US-09-673-395A-24	Sequence 24, Appl
C 858	26.4	3.0	340	4	US-09-513-999C-13850	Sequence 13850, A	C 931	26.4	3.0	1893	4	US-09-252-991A-9055	Sequence 9055, Ap
C 859	26.4	3.0	387	2	US-08-449-287-1	Sequence 1, Appl1	C 932	26.4	3.0	1910	1	US-08-371-930-2	Sequence 2, Appl1
C 860	26.4	3.0	392	1	US-08-469-421-8	Sequence 8, Appl1	C 933	26.4	3.0	1910	5	PCT-US94-01712-2	Sequence 2, Appl1
C 861	26.4	3.0	392	1	US-08-250-975-8	Sequence 8, Appl1	C 934	26.4	3.0	1911	4	US-09-252-991A-14136	Sequence 14136, A
C 862	26.4	3.0	392	2	US-08-605-002A-8	Sequence 8, Appl1	C 935	26.4	3.0	2006	4	US-09-270-767-8892	Sequence 9892, Ap
C 863	26.4	3.0	392	2	US-08-950-449A-8	Sequence 8, Appl1	C 936	26.4	3.0	2040	3	US-09-165-042-4	Sequence 4, Appl1
C 864	26.4	3.0	392	5	PCT-US94-12873-1	Sequence 8, Appl1	C 937	26.4	3.0	2304	4	US-09-252-991A-8731	Sequence 8731, Ap
C 865	26.4	3.0	392	5	PCT-US94-10529-8	Sequence 8, Appl1	C 938	26.4	3.0	2354	1	US-08-655-878-1	Sequence 1, Appl1
C 866	26.4	3.0	474	4	US-09-621-976-18033	Sequence 18033, A	C 939	26.4	3.0	2382	4	US-09-641-741-1	Sequence 1, Appl1
C 867	26.4	3.0	489	4	US-09-621-976-17711	Sequence 17711, A	C 940	26.4	3.0	2719	3	US-08-706-216-1	Sequence 1, Appl1
C 868	26.4	3.0	513	4	US-09-513-999C-11461	Sequence 11461, A	C 941	26.4	3.0	2719	4	US-09-650-284B-1	Sequence 1, Appl1
C 869	26.4	3.0	519	4	US-09-252-991A-9216	Sequence 9216, Ap	C 942	26.4	3.0	2742	3	US-08-911-853-16	Sequence 16, Appl
C 870	26.4	3.0	525	1	US-08-434-411-1	Sequence 1, Appl1	C 943	26.4	3.0	2742	3	US-09-479-409-16	Sequence 16, Appl
C 871	26.4	3.0	525	1	US-08-434-402-1	Sequence 1, Appl1	C 944	26.4	3.0	2742	3	US-09-479-453-16	Sequence 16, Appl
C 872	26.4	3.0	525	1	US-08-783-288-1	Sequence 1, Appl1	C 945	26.4	3.0	3023	4	US-09-311-021-17	Sequence 17, Appl
C 873	26.4	3.0	525	2	US-08-890-640-1	Sequence 1, Appl1	C 946	26.4	3.0	3097	3	US-09-282-147-38	Sequence 38, Appl1
C 874	26.4	3.0	525	3	US-08-149-101A-1	Sequence 1, Appl1	C 947	26.4	3.0	3111	4	US-09-340-620A-56	Sequence 56, Appl1
C 875	26.4	3.0	525	5	PCT-US94-12873-1	Sequence 1, Appl1	C 948	26.4	3.0	3195	4	US-09-614-221A-483	Sequence 483, App
C 876	26.4	3.0	525	6	5194592-25	Patent No. 5194592	C 949	26.4	3.0	3217	2	US-09-423-439-52	Sequence 52, Appl
C 877	26.4	3.0	528	4	US-09-669-751-120	Sequence 120, App	C 950	26.4	3.0	3774	2	US-08-950-449A-11	Sequence 11, Appl
C 878	26.4	3.0	537	3	US-08-149-101A-16	Sequence 16, Appl	C 951	26.4	3.0	3813	1	US-08-469-421-11	Sequence 11, Appl
C 879	26.4	3.0	537	5	PCT-US94-12873-16	Sequence 16, Appl	C 952	26.4	3.0	3813	1	US-08-250-975-11	Sequence 11, Appl
C 880	26.4	3.0	570	4	US-09-252-991A-777	Sequence 777, App	C 953	26.4	3.0	3813	2	US-08-605-002A-11	Sequence 11, Appl
C 881	26.4	3.0	653	3	US-09-280-116-229	Sequence 229, App	C 954	26.4	3.0	3813	3	US-08-943-353-11	Sequence 11, Appl
C 882	26.4	3.0	705	3	US-09-423-439-17	Sequence 17, Appl	C 955	26.4	3.0	3813	5	PCT-US94-10529-11	Sequence 11, Appl
C 883	26.4	3.0	732	2	US-08-860-862A-26	Sequence 26, Appl	C 956	26.4	3.0	4244	4	US-09-455-777-1	Sequence 1, Appl1
C 884	26.4	3.0	732	4	US-09-423-439-57	Sequence 57, Appl	C 957	26.4	3.0	4244	4	US-09-340-620A-54	Sequence 54, Appl
C 885	26.4	3.0	762	4	US-09-011-769A-22	Sequence 22, Appl1	C 958	26.4	3.0	4649	4	US-09-064-199-17	Sequence 17, Appl1
C 886	26.4	3.0	762	4	US-09-252-991A-14872	Sequence 14872, A	C 959	26.4	3.0	4746	4	US-09-064-199-7	Sequence 7, Appl1
C 887	26.4	3.0	771	4	US-09-252-991A-8833	Sequence 8833, Ap	C 960	26.4	3.0	5463	4	US-09-064-199-1	Sequence 1, Appl1
C 888	26.4	3.0	837	4	US-09-252-991A-640	Sequence 640, App	C 961	26.4	3.0	5934	4	US-09-418-710-2	Sequence 2, Appl1
C 889	26.4	3.0	877	4	US-09-636-215-769	Sequence 769, App	C 962	26.4	3.0	5934	4	US-09-839-479-2	Sequence 2, Appl1
C 890	26.4	3.0	877	4	US-09-685-166A-769	Sequence 769, App	C 963	26.4	3.0	6202	4	US-09-774-528-120	Sequence 120, App
C 891	26.4	3.0	877	4	US-09-678-426-769	Sequence 769, App	C 964	26.4	3.0	6527	4	US-08-669-656A-1	Sequence 1, Appl1
C 892	26.4	3.0	1005	4	US-09-252-991A-15130	Sequence 15130, A	C 965	26.4	3.0	6527	4	US-08-669-656A-7	Sequence 7, Appl1
C 893	26.4	3.0	1063	4	US-09-252-991A-1598	Sequence 1598, Ap	C 966	26.4	3.0	7052	4	US-08-669-656A-5	Sequence 5, Appl1
C 894	26.4	3.0	1035	4	US-09-252-991A-14224	Sequence 14224, A	C 967	26.4	3.0	8145	4	US-08-961-527-122	Sequence 122, App
C 895	26.4	3.0	1041	4	US-09-489-039A-1508	Sequence 3508, Ap	C 968	26.4	3.0	10877	4	US-09-674-311-1	Sequence 1, Appl1
C 896	26.4	3.0	1119	4	US-08-987-943-4	Sequence 4, Appl1	C 969	26.4	3.0	12537	2	US-08-611-280-4	Sequence 4, Appl1
C 897	26.4	3.0	1119	4	US-09-252-991A-1649	Sequence 1649, Ap	C 970	26.4	3.0	12537	3	US-09-195-940-4	Sequence 4, Appl1
C 898	26.4	3.0	1191	4	US-09-459-133-3	Sequence 3, Appl1	C 971	26.4	3.0	1533	1	US-09-562-466-4	Sequence 4, Appl1
C 899	26.4	3.0	1205	4	US-09-270-767-25189	Sequence 25189, A	C 972	26.4	3.0	16535	4	US-08-961-527-74	Sequence 74, Appl
C 900	26.4	3.0	1232	4	US-09-252-991A-9135	Sequence 9135, Ap	C 973	26.4	3.0	17410	1	US-07-841-646-3	Sequence 3, Appl1
C 901	26.4	3.0	1233	4	US-09-252-991A-13959	Sequence 13959, A	C 974	26.4	3.0	17410	1	US-08-147-023-3	Sequence 3, Appl1
C 902	26.4	3.0	1248	4	US-09-252-991A-4192	Sequence 4192, Ap	C 975	26.4	3.0	17410	1	US-08-447-570-3	Sequence 3, Appl1
C 903	26.4	3.0	1284	4	US-09-252-991A-1524	Sequence 1524, Ap	C 976	26.4	3.0	17410	2	US-08-449-700-3	Sequence 3, Appl1

C 977	26.4	3.0	17410	2	US-08-449-699A-3	Sequence 3, Appl1	C1050	26.2	2.9	1534	4	US-09-168-595-97	Sequence 97, Appl1
C 978	26.4	3.0	17410	4	US-09-148-925C-3	Sequence 3, Appl1	C1051	26.2	2.9	1530	2	US-08-811-897A-30	Sequence 30, Appl1
C 979	26.4	3.0	17410	3	US-08-957-425-3	Sequence 3, Appl1	C1052	26.2	2.9	1539	2	US-08-855-213-30	Sequence 30, Appl1
C 980	26.4	3.0	17415	4	US-08-486-343A-1	Sequence 1, Appl1	C1053	26.2	2.9	1539	3	US-09-201-474-30	Sequence 30, Appl1
C 981	26.4	3.0	17415	5	PCT-US95-07349-1	Sequence 1, Appl1	C1054	26.2	2.9	1557	3	US-09-252-991A-9396	Sequence 30, Appl1
C 982	26.4	3.0	17612	3	US-08-911-853-29	Sequence 29, Appl1	C1055	26.2	2.9	1623	2	US-09-067-351-6	Sequence 6, Appl1
C 983	26.4	3.0	17612	3	US-09-479-409-29	Sequence 29, Appl1	C1056	26.2	2.9	1623	2	US-09-360-490-6	Sequence 6, Appl1
C 984	26.4	3.0	17612	3	US-09-479-453-29	Sequence 29, Appl1	C1057	26.2	2.9	1653	4	US-09-352-991A-2515	Sequence 6, Appl1
C 985	26.4	3.0	19619	4	US-09-596-002-14	Sequence 14, Appl1	C1058	26.2	2.9	1653	4	US-09-522-862-1	Sequence 2515, Ap
C 986	26.4	3.0	19806	4	US-09-740-028A-3	Sequence 3, Appl1	C1059	26.2	2.9	1700	4	US-09-252-991A-1753	Sequence 1, Appl1
C 987	26.4	3.0	19806	4	US-10-118-037-3	Sequence 3, Appl1	C1060	26.2	2.9	1700	4	US-09-252-991A-1753	Sequence 1, Appl1
C 988	26.4	3.0	25165	3	US-09-453-702B-39	Sequence 39, Appl1	C1061	26.2	2.9	1700	4	US-09-252-991A-1753	Sequence 1, Appl1
C 989	26.4	3.0	25165	3	US-09-791-211-10	Sequence 10, Appl1	C1062	26.2	2.9	1700	4	US-09-252-991A-1753	Sequence 1, Appl1
C 990	26.4	3.0	246240	2	US-08-724-394A-20	Sequence 20, Appl1	C1063	26.2	2.9	1929	3	US-09-540-236-296	Sequence 10, Appl1
C 991	26.4	3.0	246240	2	US-08-724-394A-21	Sequence 21, Appl1	C1064	26.2	2.9	1929	3	US-08-961-083-1	Sequence 296, Ap
C 992	26.4	3.0	246240	2	US-08-724-394A-22	Sequence 22, Appl1	C1065	26.2	2.9	1999	3	US-09-336-784-1	Sequence 1, Appl1
C 993	26.4	3.0	246240	2	US-08-724-394A-22	Sequence 22, Appl1	C1066	26.2	2.9	2008	4	US-09-023-655-399	Sequence 399, Ap
C 994	26.4	3.0	1230025	4	US-09-513-999C-14394	Sequence 1, Appl1	C1067	26.2	2.9	2012	4	US-09-149-476-132	Sequence 132, Ap
C 995	26.2	2.9	209	3	US-09-060-756-154	Sequence 154, App	C1068	26.2	2.9	2012	4	US-09-023-655-1025	Sequence 1025, Ap
C 996	26.2	2.9	229	3	US-09-670-314-154	Sequence 154, App	C1069	26.2	2.9	2167	2	US-08-743-637B-16	Sequence 1312, Ap
C 997	26.2	2.9	272	4	US-09-016-434-440	Sequence 440, App	C1070	26.2	2.9	2167	2	US-08-526-840B-16	Sequence 16, Appl
C 998	26.2	2.9	311	4	US-09-513-999C-208	Sequence 208, App	C1071	26.2	2.9	2196	4	US-09-252-991A-9319	Sequence 9319, Ap
C 999	26.2	2.9	366	4	US-09-352-991A-9410	Sequence 9410, Ap	C1072	26.2	2.9	2472	4	US-09-252-991A-7043	Sequence 7043, Ap
1000	26.2	2.9	378	4	US-09-295-996B-3	Sequence 3, Appl1	C1073	26.2	2.9	2730	2	US-08-811-897A-39	Sequence 39, Appl
1001	26.2	2.9	378	4	US-09-295-996B-3	Sequence 3, Appl1	C1074	26.2	2.9	2730	2	US-08-811-897A-39	Sequence 39, Appl
1002	26.2	2.9	378	4	US-09-295-996B-3	Sequence 3, Appl1	C1075	26.2	2.9	2730	2	US-08-811-897A-39	Sequence 39, Appl
1003	26.2	2.9	378	4	US-09-551-737C-3	Sequence 3, Appl1	C1076	26.2	2.9	2730	2	US-08-811-897A-39	Sequence 39, Appl
1004	26.2	2.9	379	1	US-08-463-224-65	Sequence 65, Appl1	C1077	26.2	2.9	2766	4	US-09-252-991A-16403	Sequence 16403, A
1005	26.2	2.9	379	2	US-08-463-377-65	Sequence 65, Appl1	C1078	26.2	2.9	2766	4	US-09-252-991A-16403	Sequence 38, Appl
C1006	26.2	2.9	396	4	US-09-640-173-48	Sequence 48, Appl1	C1079	26.2	2.9	2814	2	US-08-811-897A-38	Sequence 38, Appl
C1007	26.2	2.9	396	4	US-09-713-550-48	Sequence 48, Appl1	C1080	26.2	2.9	2814	2	US-08-811-897A-38	Sequence 38, Appl
C1008	26.2	2.9	396	4	US-09-825-294-48	Sequence 48, Appl1	C1081	26.2	2.9	2814	3	US-09-201-474-38	Sequence 38, Appl
C1009	26.2	2.9	402	4	US-09-970-966-48	Sequence 48, Appl1	C1082	26.2	2.9	2841	3	US-09-399-913-31	Sequence 31, Appl
1010	26.2	2.9	430	4	US-10-101-464A-255	Sequence 255, App	C1083	26.2	2.9	3041	4	US-09-350-614-31	Sequence 31, Appl
1011	26.2	2.9	430	4	US-09-621-997A-16565	Sequence 16565, A	C1084	26.2	2.9	3105	4	US-09-268-480-14	Sequence 14, Appl
1012	26.2	2.9	465	4	US-09-252-991A-15982	Sequence 15982, A	C1085	26.2	2.9	3105	4	US-09-252-991A-15987	Sequence 15987, A
1013	26.2	2.9	473	4	US-09-270-767-26150	Sequence 26150, A	C1086	26.2	2.9	3351	4	US-08-897-443-2	Sequence 2, Appl1
1014	26.2	2.9	490	4	US-09-270-767-24	Sequence 24, Appl1	C1087	26.2	2.9	3373	2	US-08-897-443-2	Sequence 2, Appl1
1015	26.2	2.9	490	4	US-09-270-767-24	Sequence 24, Appl1	C1088	26.2	2.9	3373	2	US-08-897-443-2	Sequence 2, Appl1
C1016	26.2	2.9	499	4	US-09-621-976-1724	Sequence 1724, A	C1089	26.2	2.9	3449	4	US-09-905-125A-33	Sequence 33, Appl
1017	26.2	2.9	515	4	US-09-513-999C-12300	Sequence 12300, A	C1090	26.2	2.9	3449	4	US-09-905-125A-33	Sequence 33, Appl
C1018	26.2	2.9	521	4	US-09-621-976-2849	Sequence 2849, Ap	C1091	26.2	2.9	3449	4	US-09-902-775A-33	Sequence 33, Appl
C1019	26.2	2.9	540	4	US-09-252-991A-2314	Sequence 2314, Ap	C1092	26.2	2.9	3449	4	US-09-902-775A-33	Sequence 33, Appl
C1020	26.2	2.9	551	3	US-08-870-126-9	Sequence 9, Appl1	C1093	26.2	2.9	3449	4	US-10-140-002-293	Sequence 23, Appl
C1021	26.2	2.9	551	3	US-08-870-126-9	Sequence 9, Appl1	C1094	26.2	2.9	3449	4	US-10-140-002-293	Sequence 23, Appl
1022	26.2	2.9	619	3	US-09-445-247-9	Sequence 31, Appl1	C1095	26.2	2.9	3879	3	US-08-916-352-1	Sequence 21, Appl
C1023	26.2	2.9	741	4	US-09-252-991A-7113	Sequence 7113, Ap	C1096	26.2	2.9	4333	3	US-10-140-002-233	Sequence 23, Appl
C1024	26.2	2.9	879	4	US-09-583-110-1299	Sequence 1299, Ap	C1097	26.2	2.9	5191	4	US-08-875-435B-2	Sequence 2, Appl1
C1025	26.2	2.9	888	2	US-08-318-837-5	Sequence 5, Appl1	C1098	26.2	2.9	5919	4	US-08-875-435B-2	Sequence 2, Appl1
C1026	26.2	2.9	975	4	US-09-252-991A-886	Sequence 886, App	C1099	26.2	2.9	8791	5	PCT-US96-01735-5	Sequence 5, Appl1
C1027	26.2	2.9	1008	4	US-09-252-991A-10020	Sequence 10020, A	C1100	26.2	2.9	9274	4	US-09-811-115-4	Sequence 6, Appl1
C1028	26.2	2.9	1041	4	US-09-252-991A-5137	Sequence 5137, Ap	C1101	26.2	2.9	9610	4	US-09-566-921-45	Sequence 6, Appl1
C1029	26.2	2.9	1086	4	US-09-252-991A-13855	Sequence 13855, A	C1102	26.2	2.9	1097	4	US-08-961-527-7	Sequence 4, Appl1
C1030	26.2	2.9	1182	4	US-09-252-991A-16079	Sequence 16079, A	C1103	26.2	2.9	13318	1	US-08-414-926A-6	Sequence 6, Appl1
C1031	26.2	2.9	1218	4	US-09-252-991A-9482	Sequence 9482, Ap	C1104	26.2	2.9	13318	3	US-09-926-682-6	Sequence 6, Appl1
1032	26.2	2.9	1251	4	US-09-252-991A-7014	Sequence 7014, Ap	C1105	26.2	2.9	13318	3	US-09-253-682-6	Sequence 6, Appl1
1033	26.2	2.9	1272	4	US-09-252-991A-9437	Sequence 9437, Ap	C1106	26.2	2.9	13318	3	US-09-527-657-6	Sequence 6, Appl1
C1034	26.2	2.9	1275	4	US-09-252-991A-2399	Sequence 2399, Ap	C1107	26.2	2.9	13318	3	US-09-892-100-6	Sequence 6, Appl1
1035	26.2	2.9	1278	4	US-09-252-991A-15668	Sequence 15668, A	C1108	26.2	2.9	14475	4	US-08-961-527-38	Sequence 38, Appl1
1036	26.2	2.9	1290	4	US-09-252-991A-9349	Sequence 9349, Ap	C1109	26.2	2.9	14958	4	US-08-451-356C-1	Sequence 1, Appl1
1037	26.2	2.9	1309	4	US-09-252-991A-15730	Sequence 15730, A	C1110	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
1038	26.2	2.9	1366	4	US-09-270-767-10698	Sequence 10698, A	C1111	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
C1039	26.2	2.9	1350	1	US-08-128-483-1	Sequence 2250, Ap	C1112	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
1040	26.2	2.9	1350	1	US-08-128-483-1	Sequence 2250, Ap	C1113	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
1041	26.2	2.9	1356	4	US-09-328-352-1886	Sequence 1, Appl1	C1114	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
1042	26.2	2.9	1365	4	US-09-252-991A-13593	Sequence 13593, A	C1115	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
C1044	26.2	2.9	1383	4	US-09-252-991A-2436	Sequence 2436, Ap	C1116	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
C1045	26.2	2.9	1383	4	US-09-252-991A-11197	Sequence 11197, A	C1117	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
1046	26.2	2.9	1455	2	US-09-252-991A-15882	Sequence 15882, A	C1118	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
1047	26.2	2.9	1455	2	US-08-811-897A-31	Sequence 31, Appl1	C1119	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
1048	26.2	2.9	1455	3	US-08-855-213-31	Sequence 31, Appl1	C1120	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
C1049	26.2	2.9	1534	1	US-08-592-126-97	Sequence 97, Appl1	C1121	26.2	2.9	15298	3	US-07-781-891-79	Sequence 79, Appl1
							C1122	26.2	2.9	288	4	US-09-614-124B-1179	Sequence 1179, Ap

1123	26	2.9	288	4	US-09-671-325-1179	Sequence 1179, Ap	1196	26	2.9	1203	4	US-09-489-039A-4745	Sequence 4745, Ap
1124	26	2.9	288	4	US-09-658-824-1179	Sequence 1179, Ap	1197	26	2.9	1245	4	US-09-252-991A-11404	Sequence 11404, A
1125	26	2.9	292	2	US-08-308-494A-12	Sequence 12, Appl	1198	26	2.9	1251	4	US-09-252-991A-10142	Sequence 10142, A
1126	26	2.9	292	4	US-09-280-028-3	Sequence 3, Appl	1199	26	2.9	1296	4	US-09-252-991A-16701	Sequence 16701, Ap
1127	26	2.9	292	4	US-09-313-294A-6562	Sequence 6562, Ap	1200	26	2.9	1308	4	US-09-252-991A-16701	Sequence 12391, A
1128	26	2.9	315	1	US-08-453-310-3	Sequence 3, Appl	1201	26	2.9	1316	3	US-08-602-809-1	Sequence 1, Appl
1129	26	2.9	318	3	US-08-783-853A-104	Sequence 104, App	1202	26	2.9	1316	5	PCT-US95-16472-1	Sequence 1, Appl
1130	26	2.9	321	3	US-09-344-050-104	Sequence 6, Appl	1203	26	2.9	1380	3	US-09-239-303-1	Sequence 1, Appl
1131	26	2.9	321	3	US-08-783-853A-6	Sequence 6, Appl	1204	26	2.9	1393	4	US-09-919-039-84	Sequence 284, App
1132	26	2.9	324	3	US-09-344-050-6	Sequence 7, Appl	1205	26	2.9	1436	3	US-09-347-001-2	Sequence 2, Appl
1133	26	2.9	324	3	US-08-483-749A-7	Sequence 7, Appl	1206	26	2.9	1479	4	US-09-710-279-1275	Sequence 1275, Ap
1134	26	2.9	335	3	US-08-783-853A-102	Sequence 102, App	1207	26	2.9	1494	4	US-08-277-031B-16	Sequence 16, Appl
1135	26	2.9	335	3	US-09-344-050-102	Sequence 102, App	1208	26	2.9	1501	2	US-08-277-031B-19	Sequence 19, Appl
1136	26	2.9	340	4	US-09-878-281A-215	Sequence 215, App	1209	26	2.9	1501	2	US-08-145-658D-24	Sequence 24, Appl
1137	26	2.9	387	4	US-09-513-999C-2236	Sequence 2236, App	1210	26	2.9	1502	4	US-09-023-655-1393	Sequence 1393, Ap
1138	26	2.9	394	4	US-09-270-767-7596	Sequence 7596, Ap	1211	26	2.9	1503	3	US-09-489-039A-3824	Sequence 3824, Ap
1139	26	2.9	394	4	US-09-270-767-22878	Sequence 22878, A	1212	26	2.9	1512	3	US-09-159-637A-171	Sequence 171, App
1140	26	2.9	403	4	US-09-724-138-45	Sequence 45, Appl	1213	26	2.9	1512	3	US-09-134-001C-620	Sequence 620, App
1141	26	2.9	405	3	US-09-328-111-96	Sequence 96, Appl	1214	26	2.9	1650	4	US-08-471-570-3	Sequence 3, Appl
1142	26	2.9	435	4	US-09-513-999C-214	Sequence 214, App	1215	26	2.9	1650	4	US-09-620-312D-975	Sequence 975, App
1143	26	2.9	464	3	US-08-975-762-20	Sequence 20, Appl	1216	26	2.9	1671	4	US-09-489-039A-5032	Sequence 5032, Ap
1144	26	2.9	464	3	US-08-821-324-20	Sequence 20, Appl	1217	26	2.9	1773	4	US-09-248-796A-4723	Sequence 4723, Ap
1145	26	2.9	464	3	US-09-295-028-20	Sequence 20, Appl	1218	26	2.9	1783	3	US-09-138-172-1	Sequence 1, Appl
1146	26	2.9	464	3	US-09-106-582-20	Sequence 20, Appl	1219	26	2.9	1853	3	US-09-232-160-3	Sequence 3, Appl
1147	26	2.9	464	4	US-09-159-469-20	Sequence 20, Appl	1220	26	2.9	1941	4	US-09-614-221A-560	Sequence 560, App
1148	26	2.9	465	4	US-09-693-542-20	Sequence 20, Appl	1221	26	2.9	1954	1	US-08-471-570-5	Sequence 5, Appl
1149	26	2.9	465	4	US-09-252-991A-11448	Sequence 11448, A	1222	26	2.9	2044	4	US-09-774-528-338	Sequence 338, App
1150	26	2.9	501	1	US-09-252-991A-5568	Sequence 5568, Ap	1223	26	2.9	2061	4	US-09-252-991A-1544	Sequence 1544, Ap
1151	26	2.9	501	1	US-07-973-321B-3	Sequence 3, Appl	1224	26	2.9	2310	1	US-08-471-570-9	Sequence 9, Appl
1152	26	2.9	591	1	US-08-090-527A-3	Sequence 3, Appl	1225	26	2.9	2313	4	US-09-252-991A-8696	Sequence 8696, Ap
1153	26	2.9	597	4	US-09-252-991A-14960	Sequence 14960, A	1226	26	2.9	2430	3	US-09-105-537-23	Sequence 23, Appl
1154	26	2.9	605	1	US-08-471-570-1	Sequence 1, Appl	1227	26	2.9	2479	4	US-09-270-767-12486	Sequence 12486, A
1155	26	2.9	612	4	US-09-252-991A-1623	Sequence 1623, Ap	1228	26	2.9	2676	1	US-08-471-570-7	Sequence 7, Appl
1156	26	2.9	657	4	US-09-270-767-10395	Sequence 10395, A	1229	26	2.9	2706	4	US-09-252-991A-9082	Sequence 9082, Ap
1157	26	2.9	675	4	US-09-270-767-5489	Sequence 5489, Ap	1230	26	2.9	2913	4	US-09-710-279-1906	Sequence 3906, Ap
1158	26	2.9	691	3	US-09-270-767-20771	Sequence 20771, A	1231	26	2.9	2915	2	US-08-500-857A-1	Sequence 1, Appl
1159	26	2.9	691	3	US-09-347-001-3	Sequence 3, Appl	1232	26	2.9	3003	4	US-09-252-991A-14790	Sequence 14790, A
1160	26	2.9	691	3	US-09-347-001-5	Sequence 5, Appl	1233	26	2.9	3005	4	US-09-710-279-1795	Sequence 3795, Ap
1161	26	2.9	691	3	US-09-347-001-5	Sequence 5, Appl	1234	26	2.9	3132	4	US-09-252-991A-14540	Sequence 14540, A
1162	26	2.9	700	1	US-08-037-579A-4	Sequence 4, Appl	1235	26	2.9	3180	2	US-08-500-857A-9	Sequence 9, Appl
1163	26	2.9	700	3	US-08-601-184-4	Sequence 4, Appl	1236	26	2.9	3192	4	US-09-788-654A-1	Sequence 1, Appl
1164	26	2.9	757	2	US-08-457-752-2	Sequence 2, Appl	1237	26	2.9	3348	4	US-09-710-279-1541	Sequence 1541, Ap
1165	26	2.9	780	4	US-09-526-738A-1	Sequence 1, Appl	1238	26	2.9	3411	4	US-09-252-991A-14823	Sequence 14823, A
1166	26	2.9	781	4	US-09-526-738A-3	Sequence 3, Appl	1239	26	2.9	3416	2	US-08-451-822A-15	Sequence 15, Appl
1167	26	2.9	852	4	US-09-489-039A-2049	Sequence 2049, Ap	1240	26	2.9	3416	3	US-08-323-430-15	Sequence 15, Appl
1168	26	2.9	873	4	US-09-252-991A-5658	Sequence 5658, Ap	1241	26	2.9	3530	3	US-08-704-711A-10	Sequence 10, Appl
1169	26	2.9	927	4	US-09-804-778A-1	Sequence 1, Appl	1242	26	2.9	3530	3	US-09-521-220-10	Sequence 10, Appl
1170	26	2.9	936	2	US-09-252-991A-1504	Sequence 1504, Ap	1243	26	2.9	3558	4	US-09-252-991A-1757	Sequence 1757, Ap
1171	26	2.9	954	2	US-08-973-275-3	Sequence 3, Appl	1244	26	2.9	3619	4	US-09-710-279-1335	Sequence 3335, Ap
1172	26	2.9	966	4	US-09-252-991A-1970	Sequence 1970, Ap	1245	26	2.9	3798	4	US-09-023-655-887	Sequence 887, App
1173	26	2.9	1006	1	US-08-173-497-24	Sequence 24, Appl	1246	26	2.9	3830	4	US-09-710-279-3934	Sequence 3934, Ap
1174	26	2.9	1006	1	US-08-286-889-24	Sequence 24, Appl	1247	26	2.9	3833	3	US-08-823-110-2	Sequence 2, Appl
1175	26	2.9	1006	1	US-08-485-618-24	Sequence 24, Appl	1248	26	2.9	3833	3	US-08-604-298-2	Sequence 2, Appl
1176	26	2.9	1006	1	US-08-362-652-24	Sequence 24, Appl	1249	26	2.9	3876	4	US-09-710-279-1895	Sequence 3895, Ap
1177	26	2.9	1006	1	US-08-605-672-24	Sequence 24, Appl	1250	26	2.9	3937	3	US-08-586-165-8	Sequence 8, Appl
1178	26	2.9	1006	2	US-08-482-293A-24	Sequence 24, Appl	1251	26	2.9	3993	4	US-09-398-522-51	Sequence 51, Appl
1179	26	2.9	1006	2	US-08-943-363-24	Sequence 24, Appl	1252	26	2.9	4066	4	US-09-367-750-1	Sequence 1, Appl
1180	26	2.9	1006	3	US-09-193-043-24	Sequence 24, Appl	1253	26	2.9	4826	4	US-09-712-304A-1	Sequence 1, Appl
1181	26	2.9	1006	4	US-09-688-307A-24	Sequence 24, Appl	1254	26	2.9	5562	4	US-10-204-708-63	Sequence 63, Appl
1182	26	2.9	1006	4	US-09-350-259-24	Sequence 24, Appl	1255	26	2.9	6174	3	US-09-298-731-17	Sequence 3, Appl
1183	26	2.9	1017	4	US-09-461-335-39	Sequence 39, Appl	1256	26	2.9	6822	3	US-09-426-998-3	Sequence 3, Appl
1184	26	2.9	1017	4	US-10-012-542-39	Sequence 39, Appl	1257	26	2.9	7610	3	US-09-659-791A-12	Sequence 12, Appl
1185	26	2.9	1017	4	US-09-614-321A-127	Sequence 127, App	1258	26	2.9	7741	2	US-09-426-998-4	Sequence 4, Appl
1186	26	2.9	1023	4	US-10-115-123-39	Sequence 39, Appl	1259	26	2.9	8367	2	US-08-583-5628-7	Sequence 7, Appl
1187	26	2.9	1023	4	US-09-252-991A-2262	Sequence 2262, Ap	1260	26	2.9	8367	2	US-08-779-113-7	Sequence 7, Appl
1188	26	2.9	1050	4	US-09-252-991A-2416	Sequence 2416, Ap	1261	26	2.9	12118	4	US-09-788-654A-3	Sequence 3, Appl
1189	26	2.9	1068	4	US-09-252-991A-9933	Sequence 9933, Ap	1262	26	2.9	13613	3	US-09-105-537-3	Sequence 3, Appl
1190	26	2.9	1071	4	US-09-252-991A-13271	Sequence 13271, A	1263	26	2.9	30350	4	US-10-118-328-3	Sequence 3, Appl
1191	26	2.9	1122	4	US-09-252-991A-12348	Sequence 12348, A	1264	26	2.9	36033	4	US-08-311-731A-124	Sequence 124, App
1192	26	2.9	1128	2	US-08-459-101A-1	Sequence 1, Appl	1265	26	2.9	36159	4	US-09-749-588-3	Sequence 3, Appl
1193	26	2.9	1149	3	US-09-434-774-11	Sequence 11, Appl	1266	26	2.9	36159	4	US-10-135-687-3	Sequence 3, Appl
1194	26	2.9	1152	4	US-09-205-258-67	Sequence 67, Appl	1267	26	2.9	36941	4	US-08-311-731A-130	Sequence 130, App
1195	26	2.9	1164	4	US-09-252-991A-1906	Sequence 1906, Ap	1268	26	2.9	38564	4	US-09-734-673-3	Sequence 3, Appl

c1269	26	2	9	38564	4	US-09-734-673-3	Sequence 3, Appl1	1342	25.8	2	9	1572	4	US-09-252-991A-4553	Sequence 4553, Ap
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c1271	26	2	9	68750	3	US-09-568-102-1	Sequence 1, Appl1	1344	25.8	2	9	1580	4	US-09-369-247-14	Sequence 14, Appl
c1272	26	2	9	68750	3	US-09-567-969-1	Sequence 1, Appl1	1345	25.8	2	9	1620	4	US-09-252-991A-14683	Sequence 14683, A
c1273	26	2	9	68750	3	US-09-568-480-1	Sequence 1, Appl1	1346	25.8	2	9	1660	4	US-09-252-991A-14299	Sequence 4299, Ap
c1275	26	2	9	68750	3	US-09-568-486-1	Sequence 1, Appl1	1347	25.8	2	9	1666	4	US-09-252-991A-14299	Sequence 2, Appl1
c1276	26	2	9	68750	3	US-09-567-899-1	Sequence 1, Appl1	1348	25.8	2	9	1707	1	US-08-306-231-2	Sequence 2, Appl1
c1277	26	2	9	68750	3	US-09-567-899-1	Sequence 1, Appl1	1349	25.8	2	9	1744	4	US-09-484-9708-83	Sequence 83, Appl
c1278	26	2	9	111282	3	US-09-754-250-3	Sequence 1, Appl1	1350	25.8	2	9	1761	3	US-09-134-001C-1519	Sequence 1619, Ap
c1279	26	2	9	640681	4	US-09-790-988-1	Sequence 1, Appl1	1351	25.8	2	9	1776	4	US-09-252-991A-4380	Sequence 4380, Ap
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c1284	25.8	2	9	260	4	US-09-621-976-1413	Sequence 31638, A	1356	25.8	2	9	1855	3	US-09-374-493-6	Sequence 6, Appl1
c1285	25.8	2	9	273	4	US-08-686-878A-7	Sequence 1413, Ap	1357	25.8	2	9	1855	3	US-09-374-824-6	Sequence 6, Appl1
c1286	25.8	2	9	289	1	US-08-513-999C-2414	Sequence 7, Appl1	1358	25.8	2	9	1855	3	US-09-374-492-6	Sequence 6, Appl1
c1287	25.8	2	9	320	4	US-08-956-171E-4046	Sequence 2414, Ap	1359	25.8	2	9	1855	4	US-10-411-976-6	Sequence 6, Appl1
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c1289	25.8	2	9	401	3	US-09-221-298-26	Sequence 4046, Ap	1361	25.8	2	9	2044	4	US-09-578-063-45	Sequence 6, Appl1
c1290	25.8	2	9	401	4	US-09-401-064-26	Sequence 26, Appl	1362	25.8	2	9	2082	4	US-09-818-780-67	Sequence 45, Appl
c1291	25.8	2	9	432	4	US-09-621-976-17808	Sequence 17808, A	1363	25.8	2	9	2103	4	US-09-270-767-10446	Sequence 67, Appl
c1292	25.8	2	9	441	4	US-09-250-609-102	Sequence 102, App	1364	25.8	2	9	2181	4	US-09-254-465A-7	Sequence 10446, A
c1293	25.8	2	9	441	4	US-09-621-976-1102	Sequence 102, App	1365	25.8	2	9	2233	4	US-09-254-465A-11	Sequence 7, Appl1
c1294	25.8	2	9	447	4	US-09-621-976-17212	Sequence 102, App	1366	25.8	2	9	2233	4	US-09-687-538B-7	Sequence 11, Appl
c1295	25.8	2	9	484	4	US-09-621-976-46	Sequence 102, App	1367	25.8	2	9	2233	4	US-10-309-437-7	Sequence 7, Appl1
c1296	25.8	2	9	515	4	US-09-621-976-10476	Sequence 17212, A	1368	25.8	2	9	2241	3	US-08-840-146-1	Sequence 1, Appl1
c1297	25.8	2	9	525	4	US-09-904-196B-2	Sequence 10476, A	1369	25.8	2	9	2271	1	US-09-360-220-1	Sequence 1, Appl1
c1298	25.8	2	9	525	4	US-09-760-008A-2	Sequence 2, Appl1	1370	25.8	2	9	2282	1	US-08-055-797-1	Sequence 52, Appl
c1299	25.8	2	9	543	4	US-09-621-976-883	Sequence 2, Appl1	1371	25.8	2	9	2282	1	US-07-914-288A-6	Sequence 52, Appl
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c1301	25.8	2	9	553	4	US-09-621-976-15491	Sequence 15491, A	1373	25.8	2	9	2285	4	US-09-250-609-5	Sequence 6, Appl1
c1302	25.8	2	9	579	4	US-09-489-039A-4845	Sequence 883, App	1374	25.8	2	9	2285	4	US-09-800-729-43	Sequence 5, Appl1
c1303	25.8	2	9	603	4	US-09-513-999C-14977	Sequence 14977, A	1375	25.8	2	9	2285	4	US-09-800-729-43	Sequence 5, Appl1
c1304	25.8	2	9	603	4	US-09-513-999C-14977	Sequence 14977, A	1376	25.8	2	9	2285	4	US-09-799-451-54	Sequence 54, Appl
c1305	25.8	2	9	654	4	US-09-252-991A-6134	Sequence 6134, Ap	1377	25.8	2	9	2415	4	US-09-116-676-9	Sequence 9, Appl1
c1306	25.8	2	9	662	3	US-09-516-914-14	Sequence 6777, Ap	1378	25.8	2	9	2415	4	US-09-399-913-35	Sequence 35, Appl
c1307	25.8	2	9	673	3	US-09-270-767-12345	Sequence 14, Appl	1379	25.8	2	9	2444	3	US-09-298-731-35	Sequence 35, Appl
c1308	25.8	2	9	698	4	US-09-252-991A-927	Sequence 927, App	1380	25.8	2	9	2444	3	US-09-357-914-6	Sequence 6, Appl1
c1309	25.8	2	9	783	4	US-09-489-039A-6830	Sequence 6830, Ap	1381	25.8	2	9	2824	4	US-09-357-914-6	Sequence 6, Appl1
c1310	25.8	2	9	810	4	US-09-252-991A-1435	Sequence 1435, Ap	1382	25.8	2	9	2824	4	US-09-357-914-6	Sequence 6, Appl1
c1311	25.8	2	9	832	4	US-09-621-976-8813	Sequence 2, Appl1	1383	25.8	2	9	2877	4	US-08-693-697-35	Sequence 35, Appl
c1312	25.8	2	9	891	1	US-08-687-895-2	Sequence 2, Appl1	1384	25.8	2	9	2880	2	US-08-588-526-1	Sequence 32, Appl
c1313	25.8	2	9	891	1	US-08-687-895-2	Sequence 2, Appl1	1385	25.8	2	9	2914	1	US-08-199-152-4	Sequence 1, Appl1
c1314	25.8	2	9	927	4	US-09-252-991A-14322	Sequence 14322, A	1386	25.8	2	9	2991	1	US-08-588-526-1	Sequence 1, Appl1
c1315	25.8	2	9	984	4	US-09-252-991A-1038	Sequence 1038, Ap	1387	25.8	2	9	2991	1	US-08-588-526-1	Sequence 1, Appl1
c1316	25.8	2	9	1005	1	US-08-459-701-8	Sequence 8, Appl1	1388	25.8	2	9	2991	2	US-08-588-526-1	Sequence 1, Appl1
c1317	25.8	2	9	1005	1	US-08-459-701-8	Sequence 8, Appl1	1389	25.8	2	9	2991	2	US-08-588-526-1	Sequence 1, Appl1
c1318	25.8	2	9	1005	1	US-08-459-701-8	Sequence 8, Appl1	1390	25.8	2	9	2991	2	US-08-588-526-1	Sequence 1, Appl1
c1319	25.8	2	9	1005	1	US-08-459-701-8	Sequence 8, Appl1	1391	25.8	2	9	2991	2	US-08-588-526-1	Sequence 1, Appl1
c1320	25.8	2	9	1005	1	US-08-459-701-8	Sequence 8, Appl1	1392	25.8	2	9	2991	2	US-08-588-526-1	Sequence 1, Appl1
c1321	25.8	2	9	1038	4	US-09-252-991A-4209	Sequence 4209, Ap	1393	25.8	2	9	2991	2	US-08-588-526-1	Sequence 1, Appl1
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c1323	25.8	2	9	1077	4	US-09-489-039A-1514	Sequence 1514, Ap	1395	25.8	2	9	3045	4	US-08-780-562-6	Sequence 6, Appl1
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c1325	25.8	2	9	1101	4	US-09-252-991A-14068	Sequence 14068, A	1397	25.8	2	9	3200	4	US-09-596-248D-46	Sequence 46, Appl
c1326	25.8	2	9	1116	4	US-09-252-991A-14068	Sequence 14068, A	1398	25.8	2	9	3342	4	US-09-252-991A-7814	Sequence 7814, Ap
c1327	25.8	2	9	1116	4	US-09-252-991A-14068	Sequence 14068, A	1399	25.8	2	9	3540	4	US-08-842-079A-16	Sequence 16, Appl
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c1331	25.8	2	9	1203	4	US-09-252-991A-9438	Sequence 9438, Ap	1403	25.8	2	9	3629	3	US-08-837-635-6	Sequence 6, Appl1
c1332	25.8	2	9	1203	4	US-09-252-991A-9438	Sequence 9438, Ap	1404	25.8	2	9	3629	3	US-08-837-635-6	Sequence 6, Appl1
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c1334	25.8	2	9	1269	4	US-09-578-063-46	Sequence 46, Appl	1406	25.8	2	9	3660	4	US-09-435-945-2	Sequence 2, Appl1
c1335	25.8	2	9	1311	4	US-09-489-039A-4614	Sequence 4614, Ap	1407	25.8	2	9	3747	1	US-08-044-618-5	Sequence 5, Appl1
c1336	25.8	2	9	1335	4	US-09-023-655-1010	Sequence 1010, Ap	1408	25.8	2	9	3747	1	US-08-044-618-5	Sequence 5, Appl1
c1337	25.8	2	9	1455	4	US-09-252-991A-7678	Sequence 7678, Ap	1409	25.8	2	9	3800	4	US-09-023-655-885	Sequence 885, Appl
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														US-08-583-153A-3	Sequence 3, Appl1

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1422	25.8	2.9	4098	3	US-09-268-866-1
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1458	25.8	2.9	256	4	US-09-385-982-887
1459	25.8	2.9	259	4	US-09-513-999C-35066
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1464	25.8	2.9	289	3	US-09-244-796-17
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1466	25.8	2.9	304	4	US-09-471-703-1
1467	25.8	2.9	325	4	US-09-621-976-14351
1468	25.8	2.9	330	1	US-08-207-956-28
1469	25.8	2.9	330	2	US-08-760-840A-31
1470	25.8	2.9	330	2	US-08-760-840A-31
1471	25.8	2.9	330	3	US-09-266-119-29
1472	25.8	2.9	330	3	US-09-266-119-29
1473	25.8	2.9	330	3	US-09-266-119-31
1474	25.8	2.9	330	3	US-09-602-709-29
1475	25.8	2.9	423	4	US-09-602-709-31
1476	25.8	2.9	429	4	US-09-252-991A-5160
1477	25.8	2.9	461	4	US-09-513-

Sequence 3, Appl
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Sequence 1071, Ap
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Patent No. 5368052
Sequence 1, Appl
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Sequence 18247, A
Sequence 35800, A
Sequence 13250, A
Sequence 387, App
Sequence 35065, A
Sequence 1, Appl
Sequence 9003, Appl
Sequence 15, Appl
Sequence 17, Appl
Sequence 17, Appl
Sequence 6, Appl
Sequence 1, Appl
Sequence 14351, A
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Sequence 31, Appl
Sequence 5160, Appl
Sequence 9834, Ap
Sequence 2067, Appl
Sequence 11, Appl
Sequence 17636, A
Sequence 18356, A
Sequence 87, Appl
Sequence 2680, Appl
Sequence 3676, Ap
Sequence 39, Appl
Sequence 39, Appl
Sequence 14551, A
Sequence 7, Appl

1488	25.6	2.9	681	4	US-09-252-991A-723	Sequence 723, App
1489	25.6	2.9	703	3	US-09-058-488-88	Sequence 88, App
C1490	25.6	2.9	711	4	US-09-252-991A-13138	Sequence 13138, App
1491	25.6	2.9	741	4	US-09-248-796A-103	Sequence 103, App
1492	25.6	2.9	761	4	US-09-023-655-463	Sequence 463, App
1493	25.6	2.9	762	4	US-09-252-991A-6307	Sequence 6307, App
1494	25.6	2.9	783	4	US-09-252-991A-12804	Sequence 12804, App
1495	25.6	2.9	834	4	US-09-621-976-2574	Sequence 2574, App
C1496	25.6	2.9	865	4	US-09-814-919A-1613	Sequence 103, App
1497	25.6	2.9	867	4	US-09-252-991A-9014	Sequence 9014, App
1498	25.6	2.9	873	4	US-09-134-000C-3297	Sequence 3297, App
1499	25.6	2.9	924	4	US-09-252-991A-869	Sequence 969, App
C1500	25.6	2.9	936	4	US-09-270-767-11245	Sequence 11245, App

ALIGNMENTS

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RESULT 3
US-09-513-999C-7
Sequence 7, Application US/09513999C
Patent No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclerc, A.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6783961
FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513, 999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 7
LENGTH: 826
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 15..695
FEATURE:
NAME/KEY: sig.peptide
LOCATION: 15..80
OTHER INFORMATION: score 8.5
OTHER INFORMATION: seq AALLGLMMVTVG/DE
US-09-513-999C-7

Query March 88.1%; Score 783 8; DB 4; Length 826;
Best Local Similarity 99.0%; Pred. No. 4e-249;
Matches 799; Conservative 0; Mismatches 7; Indels 1; Gaps 1;

Qy 75 AACGAGGTGTCCTGAGGTGTCGATGAGCTGTCACAGCAGCACTGTTACTGGGTC 134
Db 1 AACGAGGTGTCCTGAGGTGTCGATGAGCTGTCACAGCAGCACTGTTACTGGGTC 60
Qy 135 TCATGATGCTGTCATCTGAGAGACGAGATGAAACAGCCGCTGTCCTAGGCTCT 194
Db 61 TCATGATGCTGTCATCTGAGAGACGAGATGAAACAGCCGCTGTCCTAGGCTCT 120
Qy 195 TGGAGAGGACACCTCTTTTGGCAGGCGCTTGAAGTTTCTACCGAGAGTTGGGAA 254
Db 121 TGGAGAGGACACCTCTTTTGGCAGGCGCTTGAAGTTTCTACCGAGAGTTGGGAA 180
Qy 255 TTGGCTGCAAGTGTCTCTGATTGTAACTACAGACAGAGATCACTCTGATGG 314
Db 181 TTGGCTGCAAGTGTCTCTGATTGTAACTACAGACAGAGATCACTCTGATGG 240
Qy 315 AGCCGATGATCAAGTTTCCCGGGGCGCTGACGCGCAACTATATCTGTGATGG 374
Db 241 AGCCGATGATCAAGTTTCCCGGGGCGCTGACGCGCAACTATATCTGTGATGG 300
Qy 375 ATCCAGATGCCCCCTAGAGACAGAACCCAGACAGAGTTCTGAGACATGGCTG 434
Db 301 ATCCAGATGCCCCCTAGAGACAGAACCCAGACAGAGTTCTGAGACATGGCTG 360
Qy 435 CAGATATCAAGGGGCGGACCTGAAAGAAAGAAAGATTCAAGGCGAGAGTTACAG 494
Db 361 CAGATATCAAGGGGCGGACCTGAAAGAAAGAAAGATTCAAGGCGAGAGTTACAG 420
Qy 495 ACCAGGCTCCCTCCCAACGAGCAACAGTGGCTTCATCGCTACCAAGTTCTTAT 554
Db 421 ACCAGGCTCCCTCCCAACGAGCAACAGTGGCTTCATCGCTACCAAGTTCTTAT 480
Qy 555 TTCAGAGAGAAAGTATCTCTCTCCCAAGAGAAAGAAAGTCTGAGGCTTGGGA 614
Db 481 TTCAGAGAGAAAGTATCTCTCTCCCAAGAGAAAGAAAGTCTGAGGCTTGGGA 540
Qy 615 AATGAGACAGATTTCTGAAACCGCTTCACTGGCGAAGCACTGAAAGCAAGCAG 674

Db 541 AATGAGACAGATTTCTGAAACCGCTTCACTGGCGAAGCACTGAAAGCAAGCAG 600
Qy 675 TGACCCAGAACTACAGAGACTACACCAACCTCCAGGCTCCCAAGAGAAAGGCG 734
Db 601 TGACCCAGAACTACAGAGACTACACCAACCTCCAGGCTCCCAAGAGAAAGGCG 660
Qy 735 CCAAGCAC-AAACACAGAGAGATAGCTGCTGCTAGATAGCCGCGCTTTGCCATCC 793
Db 661 CCAAGCACAAACCAAGGCGAGATAGCTGCTGCTAGATAGCCGCGCTTTGCCATCC 720
Qy 794 CATGTGGCCACACTGCTACACCCGAGCAGATGTGGGTATGAAACCCCTGTGATAC 853
Db 721 CATGTGGCCACACTGCTACACCCGAGCAGATGTGGGTATGAAACCCCTGTGATAC 780
Qy 854 CCCCTTTCTTTCCAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 880
Db 781 CCCCTTTCTTTCCAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 807

RESULT 4
US-08-403-378B-3
Sequence 3, Application US/08403378B
Patent No. 5759991
GENERAL INFORMATION:
APPLICANT: TOHDOH, NAOKI
APPLICANT: KOJIMA, SHIN-ICHIRO
APPLICANT: KOJIMA, SHIN-ICHI
APPLICANT: UEKI, YASUYUKI
APPLICANT: NISHIHARA, TOSHIO
APPLICANT: FUKUSHIMA, NOBUYUKI
APPLICANT: IRIE, TSUNEMASA
APPLICANT: ONO, KEIICHI
APPLICANT: AGUI, HIDEO
APPLICANT: OJIRA, KOSEI
TITLE OF INVENTION: NEUROTROPHIC PEPTIDE DERIVATIVES
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: SUGHRUE MION, ZINN, MACPHEAK & SEAS
STREET: 2100 PENNSYLVANIA AVENUE, NW
CITY: WASHINGTON
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/403,378B
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 3-124688
FILING DATE: 27-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 1-080398
FILING DATE: 30-MAR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 1-280590
FILING DATE: 27-OCT-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 1-333241
FILING DATE: 21-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-243003
FILING DATE: 12-SEP-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/758,043
FILING DATE: 12-SEP-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/873,764

ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
STREET: 2100 PENNSYLVANIA AVENUE, NW
CITY: WASHINGTON
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20037-1202
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/403,378B
APPLICATION NUMBER: US/08/403,378B
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 3-124688
FILING DATE: 27-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 1-080398
FILING DATE: 30-MAR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 1-280590
FILING DATE: 27-OCT-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 1-333241
FILING DATE: 21-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-243003
FILING DATE: 12-SEP-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/758,043
FILING DATE: 12-SEP-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/873,764
FILING DATE: 27-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP93/01214
FILING DATE: 27-AUG-1993
ATTORNEY/AGENT INFORMATION:
NAME: BIGGART, MADDELL A
REGISTRATION NUMBER: 24,861
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)293-7060
TELEFAX: (202)293-7860
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 1447 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
TISSUE TYPE: placental tissue
IMMEDIATE SOURCE:
CLONE: p1-3
FEATURE:
NAME/KEY: CDS
LOCATION: 120..680
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..119
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 120..680
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 681..1447

US-08-403-378B-14

Query Match 4.6%; Score 41; DB 1; Length 1447;
Best Local Similarity 60.2%; Pred. No. 0.006;
Matches 68; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 355 CTATATCTGTGTGATGTGATCCAGATGCCCTTACAGACAGACAGAACCCAGACAGATT 414
DB 308 CTACACCTTGCTCTGACAGACCCGAGATGCTCCAGACAGAGATCCCAATATACAGAGA 367
QY 415 CTGAGACATTGGCTGCTGTAACATATCAAGGCGCCGACCTGAAGAAAGGA 467
DB 368 ATGGACATATTCTGTGTGTCAACATGAAGGGAATGACATCAGCACTGGCA 420

RESULT 7

US-09-252-991A-2742
; Sequence 2742, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 2742
; LENGTH: 660
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-2742

Query Match 4.4%; Score 39; DB 4; Length 660;
Best Local Similarity 47.1%; Pred. No. 0.016;
Matches 120; Conservative 0; Mismatches 135; Indels 0; Gaps 0;

QY 604 AGGCTCTTGAATAATGACAGATTCTGAACCGCTTCACCTGGCGGACCTGAAGCAAG 663
DB 142 AGGCGTGGCGCACTGTTCTGCGAAGAACTTTTCGGCGACGTGGCGGCTGTACT 201
QY 664 CACCCAGTTATGACCCAGAACTACAGACTACCAACCTCCAGGCTCCCAAGAGAAAG 723
DB 202 GGCCATAGCGATCGATCAGGCGGTCAGAGATCCGCTCCACCGCCTCCTGTGCGTA 261
QY 724 GGCCAGGAGCCCAAGCAAAACGAGGACAGATAGCTGCTGTAGATAGCCGGCTTT 783
DB 262 TGGCGAAACGTCCAGACGAGTGTCTTGGGAGCTTGGGAGGCGGACGAGGACGGCTCA 321
QY 784 GCGATCCGGGCGATGGCCACACTGCTCACCCAGCAGATGTGGGTATGAAACCCCTCT 843
DB 322 GCGCTCGGACCTCGGCGGGGTCCAGCGAGCCCTCCACGCGGTGGGCCAGCAGACCGCT 381
QY 844 GGATACAGAACCCCT 858
DB 382 GGCCTGACCATCT 396

RESULT 8

US-09-252-991A-3027/C
; Sequence 3027, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18

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? PRIOR APPLICATION NUMBER: US 60/074,768
? PRIOR FILING DATE: 1996-02-18
? PRIOR APPLICATION NUMBER: US 60/094,190
? PRIOR FILING DATE: 1996-07-27
? NUMBER OF SEQ ID NOS: 33142
? SEQ ID NO 3027
? LENGTH: 768
? TYPE: DNA
? ORGANISM: Pseudomonas aeruginosa
US-09-052-991A-3027

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Query Match	4.4%;	Score 39;	DB 4;	Length 768;
Best Local Similarity	47.1%;	Pred. No. 0.018;		
Matches 120;	Conservative 0;	Mismatches 135;	Indels 0;	Gaps 0

QY 604 AGGCTTTGGAAATATGACAGATTCTGAAACCGCTTCCACCTGGGCGAAACCTGAAGAG 663

Db 587 AGCGCTGGCGCAACTGTTGTCGGAACGAATCTTTCCGGCGCAATCGCGCGGCTGTACT 528

QY 664 CACCCAGTTCATGACCCAGAACTACACAGACTACACAACCTCCAGAGTCTCCAGAGGAG 723

Db 527 GGCCTATAGGATGATCAGGCGCGGTGAGATGCTCCGCTCACCGCCCTCCCTGTGTGTA 468

QY 724 GGGCAACGACGCCAAGACAAACCAAGCAGATAGTGTCTCTAGTATAGCCGGCTTT 783

Db 467 TGGCGAAAGCTCGAGCGAGATGCTCTGAGGAGCTTGGGAGACGAGGACAGGGCTCA 408

QY 784 GCCATTCGGGACATGTGGCCACACTGCTACACCAAGAGATGTGGTATGGAACCCCTCT 843

Db 407 GGGCTTCGACCCCTGGGGCGGCTCAACGAGCCCTCCACGCGTGGCGCAGGACCCGCT 348

QY 844 GGATACGAAACCCCT 858

Db 347 GGCCTTCGACCACTCT 333

RESULT 9

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US-09-252-991A-2839      / Sequence 2839, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 2839
LENGTH: 1671
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-2839

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Query Match	4.4%	Score 39;	DB 4;	Length 1672;
Best Local Similarity	47.1%	Pred. No. 0.03;		
Matches 120;	Conservative 0;	Mismatches 135;	Indels 0;	Gaps 0

604 GGGCTCTGGAAANTGACAGATTTCTTGAACCGCTTCACTTGGGGAACTTGAAACGAG 663
 1336 AGGGCGCTCGGCACTGTTTCGTGGAAAGAACTTTTCCGGCCAGTGGGGCGGCGTGTACT 1385
 664 CACCAGTTCTATGACCCAGAACTTACAGAGCTACCAACCTTTCAGGCTTCCAGAGGAAAG 723
 1386 GCCATAGCAATCATATGAGCGCGGTACAGAGTGTCCGCTTCAACCGCCCTTCCTGTGCCTGA 1445
 724 GGCCAGGAGGCCCAAGACAAAAACAAGCAGATATAGCTGCTGCTAGATTAACCGCGCTT 783
 1446 TGCCGAAGACGTCCGAGCAGGATGCTCTGGGGAGACTTCCGGCGAAGCCAGGAGCAGGCTTCA 1505

QY	784	GCAATCCGGGAGATATGGCCACACAGTCCTACCAACCGACGATGGGTATGGAACCCCTCT	843
Db	1506	GCGCTCCGACCCCTGGCGCGGTCCAGCCGACGCTCTCAGCGTGGGCGCCAGCAGCACCCGCT	1565
QY	844	CGATTACGAACCCCT	858
Db	1566	GCGCTTCGACCATCT	1580

RESULT 10

US-09-252-991A-3127/c
 : Sequence 3127, Application US/09252991A
 : Patent No. 6551795
 : GENERAL INFORMATION:
 : APPLICANT: Marc J. Rubenfield et al.
 : TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 : TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 : FILE REFERENCE: 107196.136
 : CURRENT APPLICATION NUMBER: US/09/252,991A
 : PRIOR APPLICATION NUMBER: 1999-02-18
 : PRIOR FILING DATE: 1998-02-18
 : PRIOR APPLICATION NUMBER: US 60/094,190
 : PRIOR FILING DATE: 1998-07-27
 : NUMBER OF SEQ ID NOS: 33142
 : SEQ ID NO 3127
 : LENGTH: 2352
 : TYPE: DNA
 : ORGANISM: Pseudomonas aeruginosa
 : US-09-252-991A-3127

Query Match	4.4%;	Score 39;	DB 4;	Length 2352;
Best Local Similarity	47.1%;	Pred. No. 0.037;		
Matches 120; Conservative	0;	Mismatches 135;	Indels 0;	Gaps 0

QY	604	AGGCTCTTGGAATAATGACAGATTTCTGAAACCGCTTCCACTCGGCGGAACCTGAGCAAG	667
Db	823	AGCGGTGGCAACTGTTTCTGCGGAACAATCTTTTTCGGCGACATCGGCGGCTGTACT	764
QY	664	CACCCAGTTTCATGATCCCAAGAACTATACAGAGACTACCAACCTTCAGGCTCCACAGAGAG	727
Db	763	GGCCATATAGGATGCATCAGGCGGTCAGGATGCTCCGCTCCACCGGCTCCCTTGTGCTGA	704
QY	724	GGCCGACGAGCCCAAGCACAATAACGAGCAGAGATTAAGTGTGCTGTAGATAGCCGCGTTT	783
Db	703	TCCCGAATCGTCCGAGCAGATGCTCTGGGGAGCTTCGCGGAGCGCAGAGGACAGGCTCA	644
QY	784	GCCATTCGGGAGATGAGCGCACACTGCTTCACACGAGCAGATGTGGGTATGTGAACCCCTCT	843
Db	643	GCGCTTCGACCTCGGCGGCGGTCCAGCGACGCTTCCACGCGTGGGCGCAGCAGCACCCGCT	584
QY	844	GGATACAGAACCCCT	858
Db	583	GGCCTTTCAGACCATCT	569

RESULT 11

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US-09-621-976-15639/c
# Sequence 15639, Application US/09621976
# Patent No. 6639063
# GENERAL INFORMATION:
# APPLICANT: Dumas Milne Edwards, J. B.
# APPLICANT: Jobert, S.
# APPLICANT: Giordano, J. Y.
# TITLE OF INVENTION: ESTs and Encoded Human Proteins
# FILE REFERENCE: GENSET.054PR2
# CURRENT APPLICATION NUMBER: US/09/621,976
# CURRENT FILING DATE: 2000-07-21
# NUMBER OF SEQ. ID NOS: 19335
# SOFTWARE: Patent.pm
# SEQ ID NO 15639
# LENGTH: 505

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Db      214 AGCCAGAGTTGAGATTGTTGAGAGAGACCTCAGGAACCTTCTATCTTGGTTATGATGG 273
QY      375 ATCCAGATGCCCTTAGCAGAGACCAACCCAGACAGAGATTCTGAGACATTGGCTGTAA 434
Db      274 ATCCAGATGTTCCAAAGCTTAGCAACCCCTCAGCAACCTCCGAGAAATATCTCATTTGTTGTGA 333
QY      435 CAGATATC 442
Db      334 CTGATATC 341

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RESULT 15
US-09-845-849A-3/c
; Sequence 3, Application US/09845849A
; Patent No. 6713663
; GENERAL INFORMATION:
; APPLICANT: WEIGEL, Detlef
; APPLICANT: KARDILSKY, Igor
; TITLE OF INVENTION: FLOWERING LOCUS T (FT) AND GENETICALLY
; TITLE OF INVENTION: MODIFIED PLANTS HAVING MODULATED FLOWER DEVELOPMENT
; FILE REFERENCE: SALKINS, 026DV1
; CURRENT APPLICATION NUMBER: US/09/845, 849A
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 09/060, 726
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 856
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-845-849A-3

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Query Match      4.1%; Score 36.8; DB 4; Length 856;
Best Local Similarity 55.5%; Pred No. 0.1;
Matches 71; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY      315 ACCCGATAGTCAAGTTCCTCGGGGCGGTGACGCGCAACCTATATCTGTTGATGATGG 374
Db      643 AGCCAGAGATTGAGATTGTTGAGAGAAAGACTCAGGAACCTTCTATCTTGGTTATGATGG 584
QY      375 ATCCAGATGCCCTTAGCAGAGACCAACCCAGACAGAGATTCTGAGACATTGGCTGTAA 434
Db      583 ATCCAGATGTTCCAAAGCTTAGCAACCTCAGCACTCCGAAATATCTCCATTGTTGTGA 524
QY      435 CAGATATC 442
Db      523 CTGATATC 516

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Search completed: January 30, 2005, 15:43:04
Job time : 167 secs

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OM nucleic - nucleic search, using sw model

Run on: January 30, 2005, 12:07:32 ; Search time 4018 Seconds
(without alignments)
10474.821 Million cell updates/sec

Title: US-10-035-958-60
Perfect score: 890
Sequence: 1 aaagctactgtctccggtg.....taaaaaaaaaaacatcaaa 890

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 4526729 seqs, 23644849745 residues

Total number of hits satisfying chosen parameters: 9053458

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database :

GenEmbl: *
1: gb_ba: *
2: gb_hcg: *
3: gb_in: *
4: gb_cm: *
5: gb_ov: *
6: gb_pat: *
7: gb_ph: *
8: gb_pl: *
9: gb_pr: *
10: gb_ro: *
11: gb_bcs: *
12: gb_sy: *
13: gb_un: *
14: gb_vi: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	890	100.0	890	6	AX358978 Sequence
2	890	100.0	890	6	AX362471 Sequence
3	890	100.0	890	6	AX454720 Sequence
4	890	100.0	890	6	AX491198 Sequence
5	890	100.0	890	6	AX359109 Sequence
6	878.2	98.7	914	9	BC020779 Homo sapi
7	865.2	97.2	932	6	AX060293 Sequence
8	857.8	96.4	927	6	AX083422 Sequence
9	833.2	93.6	1028	6	BD248885 47 human
10	801.8	90.1	952	6	BD248890 47 human
11	783.8	88.1	826	6	BD203800 5' EST and
12	783.8	88.1	826	6	AR412374 Sequence
13	783.8	88.1	826	6	AX884144 Sequence
14	783.8	88.1	826	6	AX969204 Sequence
15	783.8	88.1	826	6	BD023758 Sequence
16	783.8	88.1	826	6	BD107927 Sequence
17	783.8	88.1	826	6	BD139366 EST and e
18	664.2	74.6	681	6	AX083412 Sequence
19	433	48.7	447	6	BD076929 5' EST of

C	20	330	37.1	352	11	G27363	C27363 human STR S
C	21	284.2	31.9	138388	9	AC055854	AC055854 Homo sapi
C	22	269	30.2	269	6	C0715147	C0715147 Sequence
C	23	258.4	29.1	87734	9	AC105046	AC105046 Homo sapi
C	24	217	24.4	861	6	C074667	C074667 Sequence
C	25	200.6	22.5	201	11	BV203131	BV203131 sqm21113
C	26	164.2	18.4	303	6	AX284030	AX284030 Sequence
C	27	140	15.7	163147	9	AC037441	AC037441 Homo sapi
C	28	140	15.7	171665	2	AC084081	AC084081 Homo sapi
C	29	138.4	15.6	71310	2	AC134389	AC134389 Homo sapi
C	30	133	14.9	1031	5	EX931846	EX931846 Gallus ga
C	31	129.4	14.5	62747	2	AC135182	AC135182 Homo sapi
C	32	105.2	11.8	219	6	C0746672	C0746672 Sequence
C	33	83.4	9.4	204545	2	AC108566	AC108566 Rattus no
C	34	83.4	9.4	270725	2	AC126948	AC126948 Rattus no
C	35	80.6	9.1	724	10	BC048621	BC048621 Mus muscu
C	36	78.6	8.8	603	11	G77998	G77998 S208P604FE
C	37	78.6	8.8	202916	10	AC125151	AC125151 Mus muscu
C	38	73.4	8.2	871	5	EX934629	EX934629 Gallus ga
C	39	68.4	7.7	239570	2	AC111804	AC111804 Rattus no
C	40	61.4	6.9	216834	10	AC123867	AC123867 Mus muscu
C	41	58	6.5	568	11	G83483	G83483 S208P6703FE
C	42	48.8	5.5	1248	3	AY187040	AY187040 Anopheles
C	43	48.2	5.4	1191	6	AX478007	AX478007 Sequence
C	44	48	5.4	125020	9	AF429315	AF429315 Homo sapi
C	45	47.2	5.3	1078	6	AX477997	AX477997 Sequence
C	46	47	5.3	686	6	AX525598	AX525598 Sequence
C	47	47	5.3	1037	10	RNBP	X11873 R.norvegicu
C	48	47	5.3	1047	6	E05646	E05646 cDNA encodi
C	49	47	5.3	1075	10	RNPEABP	X75253 R.norvegicu
C	50	47	5.3	1105	10	BC063171	BC063171 Rattus no
C	51	46.4	5.2	125020	9	AF429315	AF429315 Homo sapi
C	52	46.2	5.2	886	6	AX478033	AX478033 Sequence
C	53	46.2	5.2	886	6	BT009051	BT009051 Trilicium
C	54	45.8	5.1	1205	10	AF226629	AF226629 Rattus no
C	55	45.8	5.1	237845	2	AC112433	AC112433 Rattus no
C	56	45.8	5.1	246867	2	AC111846	AC111846 Rattus no
C	57	45.4	5.1	847	6	BD160909	BD160909 Gene Hd3a
C	58	45.4	5.1	847	6	BD160910	BD160910 Gene Hd3a
C	59	45.4	5.1	847	6	BD160909	BD160909 Gene Hd3a
C	60	45.4	5.1	847	6	BD160909	BD160909 Gene Hd3a
C	61	45.4	5.1	847	6	AB052943	AB052943 Oryza sat
C	62	45.4	5.1	847	6	AB052944	AB052944 Oryza sat
C	63	43.8	4.9	525	8	AB110009	AB110009 Populus n
C	64	43.8	4.9	525	8	AB161107	AB161107 Populus n
C	65	43.2	4.9	770	6	C0598659	C0598659 Sequence
C	66	43.2	4.9	782	3	AY075337	AY075337 Drosophil
C	67	43.2	4.9	2654	6	C0572912	C0572912 Sequence
C	68	43.2	4.9	3051	6	C0598658	C0598658 Sequence
C	69	43.2	4.9	145952	2	AC020316	AC020316 Drosophil
C	70	43.2	4.9	145952	3	AE003675	AE003675 Drosophil
C	71	43.2	4.9	157141	3	AC016445	AC016445 Drosophil
C	72	42.8	4.8	2730	6	C0594011	C0594011 Sequence
C	73	42.6	4.8	1238	8	AK072979	AK072979 Oryza sat
C	74	42.2	4.7	525	8	AB110612	AB110612 Populus n
C	75	41	4.6	564	6	E09005	E09005 Human cDNA
C	76	41	4.6	570	9	HSRNPBP	X85033 H.sapiens m
C	77	41	4.6	1001	6	E09006	S76773 H.sapiens m
C	78	41	4.6	1070	9	BC008714	BC008714 Homo sapi
C	79	41	4.6	1070	9	AX399866	AX399866 Sequence
C	80	41	4.6	1364	9	BC017396	BC017396 Homo sapi
C	81	41	4.6	1434	9	HMHRPBP	DI6111 Homo sapien
C	82	41	4.6	1442	6	C0727488	CQ27488 Sequence
C	83	41	4.6	1444	6	HSPEABP	AX11146 Sequence
C	84	41	4.6	1444	6	HSPEABP	AX11146 Sequence
C	85	41	4.6	1447	6	E05647	X75252 H.sapiens p
C	86	41	4.6	1450	9	BC031102	BC031102 Homo sapi
C	87	41	4.6	1487	11	BV177382	BV177382 sqm94324
C	88	41	4.6	1732	6	C0497591	C0497591 Sequence
C	89	40.8	4.6	837	6	AX478005	AX478005 Sequence
C	90	40.6	4.6	518	8	TAE577367	AU577367 Trilicium
C	91	40.6	4.6	518	8	TAE577367	AU577367 Trilicium
C	92	40.6	4.6	525	8	AB106111	AB106111 Populus n

Kolker
10/035958 Page 1
Seq. ID 60461

93	40.6	4.6	525	8	AB109804	AB109804 Populus n	166	36.8	4.1	855	6	BD206240	BD206240 Flowering
94	40.6	4.6	525	8	AB110613	AB110613 Populus n	167	36.8	4.1	855	6	AR148907	AR148907 Sequence
95	40.6	4.6	525	8	AB161108	AB161108 Populus n	168	36.8	4.1	855	6	BD206241	BD206241 Flowering
96	40.6	4.6	525	8	AB161109	AB161109 Populus n	169	36.8	4.1	856	6	AR491454	AR491454 Sequence
97	40.6	4.6	525	8	AB161112	AB161112 Malus x d	170	36.8	4.1	856	6	AR491455	AR491455 Sequence
98	40.6	4.6	670	8	AY515152	AY515152 Populus d	171	36.8	4.1	864	8	AB027504	AB027504 Sequence
99	40.6	4.6	1077	6	AX658815	AX658815 Populus d	172	36.8	4.1	1180	10	MMU43206	MMU43206
100	40.6	4.6	1077	6	AX658827	AX658827 Sequence	173	36.8	4.1	1202	10	AB046417	AB046417
101	40.6	4.6	2000	6	AX655393	AX655393 Sequence	174	36.8	4.1	1210	6	BD161812	BD161812
102	40.6	4.6	11767	1	AE004536	AE004536 Pseudomon	175	36.8	4.1	1228	10	BC008169	BC008169
103	40.6	4.6	400	6	CO663445	CO663445 Sequence	176	36.8	4.1	1228	10	BC008169	BC008169
104	40.6	4.5	1432	9	CO725969	CO725969 Sequence	177	36.8	4.1	1033	3	AC110593	AC110593
105	40.6	4.5	89201	6	AC093162	AC093162 Homo sapi	178	36.8	4.1	41755	3	AF016423	AF016423
106	39.8	4.5	745	8	AB027456	AB027456 Citrus un	179	36.8	4.1	63747	2	AC127523	AC127523
107	39.8	4.5	784	4	AY094175	AY094175 Oryctolag	180	36.8	4.1	119420	2	AC109568	AC109568
108	39.8	4.5	212221	4	AC136126	AC136126 Rattus no	181	36.8	4.1	134095	2	AC006915	AC006915
109	39.8	4.5	220742	2	AC105644	AC105644 Rattus no	182	36.8	4.1	157236	2	AC149858	AC149858
110	39.8	4.5	221323	2	AC106938	AC106938 Rattus no	183	36.8	4.1	166914	9	AC127522	AC127522
111	39.8	4.5	245853	2	AC125965	AC125965 Rattus no	184	36.8	4.1	1194973	9	AC024474	AC024474
112	39.6	4.4	528	6	AX507940	AX507940 Rattus no	185	36.8	4.1	1220215	2	AC135861	AC135861
113	39.6	4.4	799	8	AP152907	AP152907 Arabidops	186	36.8	4.1	223428	2	AC095912	AC095912
114	39.6	4.4	1242	10	AF307146	AF307146 Arabidops	187	36.8	4.1	253026	2	AC102618	AC102618
115	39.4	4.4	1444	9	MPBP	MPBP	188	36.8	4.1	346274	1	BX640443	BX640443
116	39.4	4.4	88121	9	AC097226	AC097226 Papio anu	189	36.8	4.1	348014	1	BX640430	BX640430
117	39.4	4.4	173505	2	AC141297	AC141297 Homo sapi	190	36.8	4.1	359672	1	BX640419	BX640419
118	39.2	4.4	59124	2	AC106003	AC106003 Homo sapi	191	36.8	4.1	15605	2	AC103926	AC103926
119	39.2	4.4	974	6	CO585477	CO585477 Sequence	192	36.6	4.1	124821	9	AC004983	AC004983
120	39	4.4	1048	3	AY069195	AY069195 Drosoephil	193	36.6	4.1	190017	2	AC107782	AC107782
121	39	4.4	2621	6	CO611093	CO611093 Sequence	194	36.6	4.1	133650	1	AP003583	AP003583
122	39	4.4	2874	6	CO585476	CO585476 Sequence	195	36.4	4.1	1004	6	AX478049	AX478049
123	39	4.4	63551	3	AC012978	AC012978 Drosoephil	196	36.4	4.1	10886	8	AK068736	AK068736
124	39	4.4	136933	3	AC005891	AC005891 Drosoephil	197	36.4	4.1	110000	1	BE055276	BE055276
125	39	4.4	167544	3	AC093095	AC093095 Drosoephil	198	36.4	4.1	151559	8	AP003628	AP003628
126	39	4.4	186444	3	AC093439	AC093439 Drosoephil	199	36.4	4.1	142350	5	AX646425	AX646425
127	39	4.4	202442	2	AC110203	AC110203 Mus muscu	200	36.2	4.1	196005	2	AC148865	AC148865
128	39	4.4	222787	2	AB181241	AB181241 Populus n	201	36.2	4.1	24629	5	CER07075	CER07075
129	38.6	4.3	522	8	AC026106	AC026106 Homo sapi	202	36.2	4.1	70388	2	AC068567	AC068567
130	38.4	4.3	164485	2	AC107669	AC107669 Mus muscu	203	36.2	4.1	113090	8	AP003628	AP003628
131	38.4	4.3	186583	10	AC104402	AC104402 Rattus no	204	36.2	4.1	151559	8	AP003628	AP003628
132	38.4	4.3	207482	2	AC104402	AC104402 Rattus no	205	36.2	4.1	170761	9	CNS05077	CNS05077
133	38.4	4.3	234391	2	AC121633	AC121633 Rattus no	206	36.2	4.1	179613	2	AC119216	AC119216
134	38.4	4.3	300395	1	AE016785	AE016785 Pseudomon	207	36.2	4.1	189448	8	AC103625	AC103625
135	38.4	4.3	300395	1	AE016785	AE016785 Pseudomon	208	36.2	4.1	202842	10	AL607108	AL607108
136	38.4	4.3	300395	1	AE016785	AE016785 Pseudomon	209	36.2	4.1	215238	10	AC122820	AC122820
137	38	4.2	528	6	E38986	E38986 Method for	210	36.2	4.1	227008	2	AP001771	AP001771
138	37.8	4.2	492	6	AX477991	AX477991 Sequence	211	36.2	4.1	81082	10	AL844868	AL844868
139	37.8	4.2	505	6	AX984836	AX984836 Sequence	212	36	4.0	98734	9	AC013277	AC013277
140	37.8	4.2	505	6	BD119695	BD119695 EST and e	213	36	4.0	138179	9	AC145217	AC145217
141	37.8	4.2	505	6	BD119695	BD119695 EST and e	214	36	4.0	142085	9	AL359707	AL359707
142	37.8	4.2	866	8	AB062676	AB062676 Oryza sat	215	36	4.0	149635	9	CNS05077	CNS05077
143	37.8	4.2	126847	9	AL445231	AL445231 Human DNA	216	36	4.0	149635	9	AY608869	AY608869
144	37.8	4.2	173224	2	AC011813	AC011813 Mus muscu	217	35.8	4.0	810	3	AY608869	AY608869
145	37.8	4.2	181091	2	AC079373	AC079373 Mus muscu	218	35.8	4.0	121647	8	NC12344	NC12344
146	37.8	4.2	198481	10	AL845486	AL845486 Mouse DNA	219	35.8	4.0	153794	8	NC12344	NC12344
147	37.6	4.2	2441	9	HSTBX5	HSTBX5	220	35.8	4.0	186632	10	AC140047	AC140047
148	37.6	4.2	181617	2	AC119371	AC119371 Rattus no	221	35.8	4.0	192520	2	AC129986	AC129986
149	37.6	4.2	227298	10	AC106606	AC106606 Rattus no	222	35.8	4.0	206979	10	AC112683	AC112683
150	37.4	4.2	192554	2	AC112183	AC112183 Mus muscu	223	35.6	4.0	687	3	DMU05243	DMU05243
151	37.2	4.2	687	6	CO583599	CO583599 Sequence	224	35.6	4.0	1364	10	BC030739	BC030739
152	37.2	4.2	2744	6	CO583599	CO583599 Sequence	225	35.6	4.0	1406	10	BC052419	BC052419
153	37.2	4.2	30334	2	AC011131	AC011131 Drosoephil	226	35.6	4.0	1651	10	BC052419	BC052419
154	37.2	4.2	84055	3	AC004439	AC004439 Drosoephil	227	35.6	4.0	179556	2	AC018734	AC018734
155	37.2	4.2	170868	3	AE005221	AE005221 Drosoephil	228	35.6	4.0	184864	2	AC012140	AC012140
156	37.2	4.2	306596	3	AE005221	AE005221 Drosoephil	229	35.6	4.0	160456	9	AB000036	AB000036
157	37	4.2	142854	9	AC129918	AC129918 Homo sapi	230	35.6	4.0	164380	9	AB000036	AB000036
158	37	4.2	167676	2	AC113153	AC113153 Homo sapi	231	35.6	4.0	179556	2	AC018734	AC018734
159	37	4.2	184788	2	AC147647	AC147647 Homo sapi	232	35.6	4.0	200317	2	HS69B13	HS69B13
160	36.8	4.1	559	8	E38985	E38985 Method for	233	35.6	4.0	210567	2	AC074215	AC074215
161	36.8	4.1	559	8	E38985	E38985 Method for	234	35.6	4.0	213466	2	AC0019224	AC0019224
162	36.8	4.1	564	10	AF300442	AF300442 Mus muscu	235	35.6	4.0	213466	2	AC0019224	AC0019224
163	36.8	4.1	780	8	AB027505	AB027505 Arabidops	236	35.4	4.0	340000	9	AP001751	AP001751
164	36.8	4.1	840	8	AY065378	AY065378 Arabidops	237	35.4	4.0	188624	10	AL772282	AL772282
165	36.8	4.1	855	6	AR148906	AR148906 Sequence	238	35.4	4.0	200898	8	AC091695	AC091695
										786	8	AK107056	AK107056

BD206240 Flowering
AR148907 Sequence
BD206241 Flowering
AR491454 Sequence
AB027504 Sequence
U43706 Mus muscu
AB064417 Mus muscu
BD161812 Method to
BC008169 Mus muscu
AC110593 Homo sapi
AF016423 Caenorhab
AC127523 Homo sapi
AC109568 Rattus no
AC006915 Caenorhab
AC19858 Papio anu
AC127522 Homo sapi
AC024474 Homo sapi
AC135861 Mus muscu
AC095912 Rattus no
AC102618 Mus muscu
AC098084 Rattus no
BX640443 Bortdell
BX640430 Bortdell
BX640419 Bortdell
AC103926 Mus muscu
AC004983 Homo sapi
AC107782 Mus muscu
AP003583 Nostoc sp
AX478049 Sequence
AK068736 Oryza sat
AE005847 Caulobact
Continuaction (12 o
BX646425 Zebrafish
AC148865 Canis fam
BX933665 Gallus ga
Z70685 Caenorhabdi
AC068567 Homo sapi
AP003628 Oryza sat
AC015863 Homo sapi
AL359240 Human chr
AC199216 Mus muscu
AC103625 Mus muscu
AL607108 Mouse DNA
AC122820 Mus muscu
AP001771 Homo sapi
AL844868 Mouse DNA
AC145217 Homo sapi
AC145217 Homo sapi
AL359707 Human DNA
AL356017 Human chr
AY608869 Branchiob
AC135565 Medicago
AL670009 Neurospor
AC140047 Mus muscu
AC129986 Rattus no
AC112683 Mus muscu
U05243 Drosoephila
BC030739 Mus muscu
BC003319 Mus muscu
BC052494 Mus muscu
AP001047 Homo sapi
AC012140 Homo sapi
BS000236 Pan trogl
AP001002 Homo sapi
AC018734 Homo sapi
AC074215 Homo sapi
AC019924 Homo sapi
AP001751 Homo sapi
AL772282 Mouse DNA
AC091695 Bos tauru
AK107056 Oryza sat

239	35.2	4.0	1226	6	AX478019	Sequence	312	34.4	3.9	159397	9	AC068544	Homo sapi
C 240	35.2	4.0	2000	6	AX655393	Sequence	C 313	34.4	3.9	171206	2	AC026573	Homo sapi
C 241	35.2	4.0	5032	6	AK067306	Oryza sat	314	34.4	3.9	172015	2	AC149194	Arabidops
C 242	35.2	4.0	141899	9	AC006334	Homo sapi	315	34.4	3.9	182010	2	AC110270	Homo sapi
C 243	35.2	4.0	158704	9	AC073330	Homo sapi	316	34.4	3.9	197902	2	AC1108424	Mus muscu
C 244	35.2	4.0	186596	2	AC141432	Homo sapi	317	34.4	3.9	198303	2	AC1117592	Arabidops
C 245	35.2	4.0	217068	2	AC079434	Mus muscu	318	34.4	3.9	214023	2	AC123694	Mus muscu
C 246	35.2	4.0	234429	2	AF311103	Homo sapi	319	34.4	3.9	231008	2	AC129166	Rattus no
247	35.2	4.0	251364	10	MM0000664	Mus muscu	C 320	34.4	3.9	231499	2	AC111629	Rattus no
248	35.2	4.0	261600	10	AC125228	Mus muscu	C 321	34.4	3.9	239352	2	AC106294	Rattus no
249	35	3.9	5190	6	CG584432	Sequence	C 322	34.4	3.9	241803	2	AC096458	Rattus no
C 250	35	3.9	7218	6	166494	Sequence 14	323	34.4	3.9	246444	2	AC130772	Rattus no
C 251	35	3.9	56575	9	AL355142	Human DNA	C 324	34.4	3.9	257887	2	AC092193	Rattus no
C 252	35	3.9	94000	1	AP000562	Continuation (5 of	325	34.4	3.9	265074	2	AC103024	Rattus no
C 253	35	3.9	110000	1	AP016822_04	Continuation (5 of	C 326	34.4	3.9	273285	1	AB017304	Rattus no
C 254	35	3.9	136490	8	CNS0808C	Oryza sat	327	34.4	3.9	290285	2	AC116074	Rattus no
C 255	35	3.9	151878	8	CNS0808D	Oryza sat	C 328	34.2	3.8	413	6	AX658802	Sequence
C 256	35	3.9	154492	2	AC137782	Homo sapi	329	34.2	3.8	555	6	AX658864	Sequence
C 257	35	3.9	176757	4	AC095025	Sus scrofa	330	34.2	3.8	850	6	AX478025	Sequence
C 258	35	3.9	197910	2	AC132287	Mus muscu	331	34.2	3.8	1724	8	AK107655	Sequence
C 259	35	3.9	303450	1	SC0939130	Streptomy	332	34.2	3.8	2649	10	BC006600	Mus muscu
260	34.8	3.9	1383	6	AX934689	Sequence	333	34.2	3.8	6045	1	AF361867	Sequence
C 261	34.8	3.9	1918	3	AY122628	Typanopl	334	34.2	3.8	107914	2	AP003949	Oryza sat
C 262	34.8	3.9	1918	3	AY122629	Cryptobia	C 335	34.2	3.8	110000	2	AL732359_07	Continuation (8 of
263	34.8	3.9	22979	2	AC009714	Homo sapi	C 336	34.2	3.8	110000	2	BX255276_10	Continuation (11 of
C 264	34.8	3.9	110000	2	AC073157_0	Homo sapi	C 337	34.2	3.8	118594	8	AP003620	Oryza sat
C 265	34.8	3.9	161148	4	AC127464	Orythorh	338	34.2	3.8	149430	14	AY464052	Equine he
266	34.8	3.9	168897	5	AC131085	Mus muscu	339	34.2	3.8	150224	14	AY655713	Equine he
C 267	34.8	3.9	179087	5	BX072561	Zebrafish	340	34.2	3.8	177438	2	AC148623	Oryzomys
C 268	34.8	3.9	183586	9	AC092562	Papio ham	C 341	34.2	3.8	180555	9	AC079384	Homo sapi
C 269	34.8	3.9	184788	2	AC147647	Homo sapi	C 342	34.2	3.8	183894	2	AC040970	Homo sapi
C 270	34.8	3.9	189533	9	AC025678	Homo sapi	343	34.2	3.8	193113	5	AL935197	Zebrafish
C 271	34.8	3.9	198901	10	AC122248	Mus muscu	344	34.2	3.8	210933	2	AC027394	Homo sapi
272	34.8	3.9	204697	2	AC120995	Rattus no	C 345	34.2	3.8	225879	10	AF603787	Mouse DNA
273	34.8	3.9	218222	10	AC127414	Mus muscu	346	34.2	3.8	241795	2	AC123410	Rattus no
C 274	34.8	3.9	223714	2	AC109578	Rattus no	347	34.2	3.8	349737	1	BF572597	Rhodopseu
C 275	34.8	3.9	236070	2	AC112571	Rattus no	348	34	3.8	1667	8	AF322083	Microbat
C 276	34.8	3.9	339940	2	AC139464	Homo sapi	C 349	34	3.8	13606	6	AX251316	Sequence
277	34.6	3.9	781	5	BX933434	Gallus ga	C 350	34	3.8	13606	6	AX278003	Sequence
278	34.6	3.9	1059	5	BX934603	Gallus ga	C 351	34	3.8	13606	6	AX323700	Sequence
279	34.6	3.9	1207	10	AF07147	Mus muscu	C 352	34	3.8	13606	6	AX346713	Sequence
280	34.6	3.9	6683	14	CDVREP	Y09629 Canine dist	C 353	34	3.8	110000	2	IMFLCHR36_07	Continuation (8 of
281	34.6	3.9	15690	6	AX453975	Sequence	354	34	3.8	125508	9	AC006345	Homo sapi
282	34.6	3.9	15690	6	AX453977	Sequence	355	34	3.8	153059	2	AC149983	Strongylo
283	34.6	3.9	15690	14	AF054953	Canine di	C 356	34	3.8	153350	8	CNS0809T	Mus muscu
284	34.6	3.9	15690	14	AF305419	Canine di	357	34	3.8	164190	10	AC121874	Mus muscu
285	34.6	3.9	15690	14	AF305419	Canine di	358	34	3.8	164190	10	AC121874	Mus muscu
286	34.6	3.9	15690	14	AF305419	Canine di	359	34	3.8	164190	10	AC121874	Mus muscu
287	34.6	3.9	15690	14	AF305419	Canine di	360	34	3.8	164190	10	AC121874	Mus muscu
288	34.6	3.9	15690	14	AF305419	Canine di	361	34	3.8	164190	10	AC121874	Mus muscu
289	34.6	3.9	15690	14	AF305419	Canine di	362	34	3.8	164190	10	AC121874	Mus muscu
290	34.6	3.9	15690	14	AF305419	Canine di	363	34	3.8	164190	10	AC121874	Mus muscu
291	34.6	3.9	15690	14	AF305419	Canine di	364	34	3.8	164190	10	AC121874	Mus muscu
292	34.6	3.9	15690	14	AF305419	Canine di	365	34	3.8	164190	10	AC121874	Mus muscu
293	34.6	3.9	15690	14	AF305419	Canine di	366	34	3.8	164190	10	AC121874	Mus muscu
294	34.6	3.9	15690	14	AF305419	Canine di	367	34	3.8	164190	10	AC121874	Mus muscu
295	34.6	3.9	15690	14	AF305419	Canine di	368	34	3.8	164190	10	AC121874	Mus muscu
296	34.6	3.9	15690	14	AF305419	Canine di	369	34	3.8	164190	10	AC121874	Mus muscu
297	34.6	3.9	15690	14	AF305419	Canine di	370	34	3.8	164190	10	AC121874	Mus muscu
298	34.6	3.9	15690	14	AF305419	Canine di	371	34	3.8	164190	10	AC121874	Mus muscu
299	34.6	3.9	15690	14	AF305419	Canine di	372	34	3.8	164190	10	AC121874	Mus muscu
300	34.6	3.9	15690	14	AF305419	Canine di	373	34	3.8	164190	10	AC121874	Mus muscu
301	34.6	3.9	15690	14	AF305419	Canine di	374	34	3.8	164190	10	AC121874	Mus muscu
302	34.6	3.9	15690	14	AF305419	Canine di	375	34	3.8	164190	10	AC121874	Mus muscu
303	34.6	3.9	15690	14	AF305419	Canine di	376	34	3.8	164190	10	AC121874	Mus muscu
304	34.6	3.9	15690	14	AF305419	Canine di	377	34	3.8	164190	10	AC121874	Mus muscu
305	34.6	3.9	15690	14	AF305419	Canine di	378	34	3.8	164190	10	AC121874	Mus muscu
306	34.6	3.9	15690	14	AF305419	Canine di	379	34	3.8	164190	10	AC121874	Mus muscu
307	34.6	3.9	15690	14	AF305419	Canine di	380	34	3.8	164190	10	AC121874	Mus muscu
308	34.6	3.9	15690	14	AF305419	Canine di	381	34	3.8	164190	10	AC121874	Mus muscu
309	34.6	3.9	15690	14	AF305419	Canine di	382	34	3.8	164190	10	AC121874	Mus muscu
310	34.6	3.9	15690	14	AF305419	Canine di	383	34	3.8	164190	10	AC121874	Mus muscu
311	34.6	3.9	15690	14	AF305419	Canine di	384	34	3.8	164190	10	AC121874	Mus muscu

C 385	33.8	3.8	181518	2	AC141952	AC141952 Rattus no	458	33.4	3.8	3969	10	BC005443	BC005443 Mus muscu
C 386	33.8	3.8	182897	2	AC092232	Drosophila	459	33.4	3.8	4377	10	MMRFB2	X75985 M. musculus
C 387	33.8	3.8	183082	2	AC141330	Rattus no	C 460	33.4	3.8	8297	10	ECDAMOPRA	Z19601 E. coli dam
C 388	33.8	3.8	183416	10	AL671269	Mouse DNA	461	33.4	3.8	10905	1	AE015348	AE015348 Shigella
C 389	33.8	3.8	189844	5	BX649492	BX649492 Zebrafish	C 462	33.4	3.8	18887	9	AC124974	AC124974 Homo sapi
C 390	33.8	3.8	196904	10	AC126447	AC126447 Rattus no	C 463	33.4	3.8	35197	9	AC005782	AC005782 Homo sapi
C 391	33.8	3.8	205825	2	AP000881	AP000881 Rattus no	C 464	33.4	3.8	38253	9	AC093232	AC093232 Homo sapi
C 392	33.8	3.8	207639	10	AL844581	AL844581 Mouse DNA	C 465	33.4	3.8	58318	10	AL645748	AL645748 Homo sapi
C 393	33.8	3.8	214042	10	AC127556	AC127556 Mus muscu	C 466	33.4	3.8	63965	2	AC100562	AC100562 Mus muscu
C 394	33.8	3.8	220303	2	AC111672	AC111672 Rattus no	C 467	33.4	3.8	68048	9	AC004764	AC004764 Mus muscu
C 395	33.8	3.8	220303	2	AC111672	AC111672 Rattus no	C 468	33.4	3.8	101990	10	AL929248	AL929248 Homo sapi
C 396	33.8	3.8	220303	2	AC111672	AC111672 Rattus no	C 469	33.4	3.8	110000	1	ECOM67_2	ECOM67_2 Mus muscu
C 397	33.8	3.8	221280	10	AC124175	AC124175 Mus muscu	C 470	33.4	3.8	110000	1	U00096_35	U00096_35 Continuation (3 of
C 398	33.8	3.8	246443	2	AC112892	AC112892 Rattus no	C 471	33.4	3.8	110000	2	AC099677_1	AC099677_1 Continuation (36 of
C 399	33.8	3.8	250714	2	AC094792	AC094792 Rattus no	C 472	33.4	3.8	113428	9	CR626893	CR626893 Human DNA
C 400	33.8	3.8	259161	2	AC114105	AC114105 Rattus no	C 473	33.4	3.8	122867	9	CR626925	CR626925 Human DNA
C 401	33.8	3.8	269261	2	AC112896	AC112896 Rattus no	C 474	33.4	3.8	122867	2	AC083983	AC083983 Human DNA
C 402	33.8	3.8	289893	2	AB003576	AB003576 Drosophila	C 475	33.4	3.8	131906	2	AC083983	AC083983 Human DNA
C 403	33.8	3.8	344615	1	BX569695	BX569695 Synchoco	C 476	33.4	3.8	140386	9	AC015921	AC015921 Homo sapi
C 404	33.8	3.8	347625	1	BX248356	BX248356 Corynebact	C 477	33.4	3.8	141833	9	AL442063	AL442063 Homo sapi
C 405	33.8	3.8	349116	1	AP003003	AP003003 Mesorhizo	C 478	33.4	3.8	147585	8	AP004745	AP004745 Oryza sat
C 406	33.8	3.8	213	1	AP059494	AP059494 Aetomonas	C 479	33.4	3.8	154508	2	AC083974	AC083974 Homo sapi
C 407	33.6	3.8	1254	9	BT006704	BT006704 Homo sapi	C 480	33.4	3.8	165904	2	AL158148	AL158148 Homo sapi
C 408	33.6	3.8	1254	9	CR457033	CR457033 Homo sapi	C 481	33.4	3.8	174513	2	AC115501	AC115501 Homo sapi
C 409	33.6	3.8	1260	12	BT007999	BT007999 Synthetico	C 482	33.4	3.8	175445	2	AC104308	AC104308 Homo sapi
C 410	33.6	3.8	1427	5	LPA18674	LPA18674 Lipodiphyr p	C 483	33.4	3.8	178030	2	AC142566	AC142566 Homo sapi
C 411	33.6	3.8	1442	5	BC003573	BC003573 Homo sapi	C 484	33.4	3.8	189050	2	AC008406	AC008406 Homo sapi
C 412	33.6	3.8	1442	5	BC003573	BC003573 Homo sapi	C 485	33.4	3.8	196988	9	AP002761	AP002761 Homo sapi
C 413	33.6	3.8	1606	6	AR430603	AR430603 Sequence	C 486	33.4	3.8	204340	2	AC020688	AC020688 Homo sapi
C 414	33.6	3.8	1644	10	RM45KDB	RM45KDB Sequence	C 487	33.4	3.8	208239	2	AC019238	AC019238 Homo sapi
C 415	33.6	3.8	2097	6	AR454557	AR454557 Sequence	C 488	33.4	3.8	210145	10	AC021988	AC021988 Homo sapi
C 416	33.6	3.8	2097	6	AX281763	AX281763 Sequence	C 489	33.4	3.8	217817	2	AC143402	AC143402 Mus muscu
C 417	33.6	3.8	2124	10	BC079400	BC079400 Rattus no	C 490	33.4	3.8	227430	2	AC091590	AC091590 Homo sapi
C 418	33.6	3.8	2768	10	RM45KDB	RM45KDB Sequence	C 491	33.4	3.8	233212	10	AL845161	AL845161 Mouse DNA
C 419	33.6	3.8	2884	9	AX835108	AX835108 Sequence	C 492	33.4	3.8	236366	2	AC125380	AC125380 Mus muscu
C 420	33.6	3.8	2884	9	AX835108	AX835108 Sequence	C 493	33.4	3.8	238252	2	AC095633	AC095633 Rattus no
C 421	33.6	3.8	23373	9	AC133009	AC133009 Homo sapi	C 494	33.4	3.8	245117	2	AC111284	AC111284 Rattus no
C 422	33.6	3.8	57348	2	AL354700	AL354700 Human DNA	C 495	33.4	3.8	285117	2	AC150677	AC150677 Bos tauru
C 423	33.6	3.8	57348	2	AL354700	AL354700 Human DNA	C 496	33.4	3.8	278284	2	AC150677	AC150677 Bos tauru
C 424	33.6	3.8	110000	2	AF162137_1	AF162137 Mus muscu	C 497	33.4	3.8	28616	1	AB016992	AB016992 Shigella
C 425	33.6	3.8	110000	10	AF162137_0	AF162137 Mus muscu	C 498	33.4	3.8	296792	1	AB016992	AB016992 Shigella
C 426	33.6	3.8	124551	2	AC058609	AC058609 Homo sapi	C 499	33.4	3.8	301660	1	AB016992	AB016992 Shigella
C 427	33.6	3.8	124551	2	AC058609	AC058609 Homo sapi	C 500	33.4	3.8	340857	6	BD181871	BD181871 Alveolar
C 428	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 501	33.2	3.7	644	6	CO721388	CO721388 Sequence 8
C 429	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 502	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 430	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 503	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 431	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 504	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 432	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 505	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 433	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 506	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 434	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 507	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 435	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 508	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 436	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 509	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 437	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 510	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 438	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 511	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 439	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 512	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 440	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 513	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 441	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 514	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 442	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 515	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 443	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 516	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 444	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 517	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 445	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 518	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 446	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 519	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 447	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 520	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 448	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 521	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 449	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 522	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 450	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 523	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 451	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 524	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 452	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 525	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 453	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 526	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 454	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 527	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 455	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 528	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 456	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 529	33.2	3.7	691	9	S4684382	S4684382 Sequence 7
C 457	33.6	3.8	135351	9	AC068279	AC068279 Homo sapi	C 530	33.2	3.7	691	9	S4684382	S4684382 Sequence 7

531	33.2	3.7	1928	10	BC016662	BC016662 Mus muscu	604	33	3.7	2448	8	AF326116	AF326116 Agacache
532	33.2	3.7	2285	4	BOVCNP	J02659 Bovine 2',3	605	33	3.7	2619	5	S65205	S65205 endothelial
533	33.2	3.7	2598	4	BC011046	BC011046 Homo sapi	606	33	3.7	2753	10	BC059887	BC059887 Mus muscu
534	33.2	3.7	2608	9	AK098384	AK098384 Homo sapi	607	33	3.7	2902	6	CQ777321	CQ777321 Sequence
535	33.2	3.7	2609	9	D13144S1	D13144 Homo sapien	608	33	3.7	2902	6	AX305444	AX305444 Sequence
536	33.2	3.7	2612	9	BC001362	BC001362 Homo sapi	609	33	3.7	2902	10	MUSHBP44	D00622 Mus musculu
537	33.2	3.7	2634	9	AK026876	AK026876 Homo sapi	610	33	3.7	2913	6	BC046641	BC046641 Mus muscu
538	33.2	3.7	2644	9	BC006392	BC006392 Homo sapi	611	33	3.7	4118	10	CO843129	CO843129 Sequence
539	33.2	3.7	2725	5	BC028040	BC028040 Homo sapi	612	33	3.7	4118	5	AK126097	AK126097 Homo sapi
540	33.2	3.7	2820	5	BC057749	BC057749 Xenopus 1	613	33	3.7	5390	5	CCQDEX1	CCQDEX1 Homo sapi
541	33.2	3.7	3489	10	AF041822	AF041822 Mus muscu	614	33	3.7	77292	8	EX842596	EX842596 Neurospor
542	33.2	3.7	3667	10	BC049119	BC049119 Mus muscu	615	33	3.7	78520	9	ALC004455	ALC004455 Homo sapi
543	33.2	3.7	3933	14	HCV1480	Y13184 Hepatitis C	616	33	3.7	86049	9	AL591742	AL591742 Human DNA
544	33.2	3.7	10029	1	AE014591	AE014591 Brucella	617	33	3.7	86363	9	HSU539E24	HSU539E24
545	33.2	3.7	10241	1	AE009670	AE009670 Brucella	618	33	3.7	154413	9	AC146043	AC146043 Human DNA
546	33.2	3.7	20461	1	AF375657	AF375657 Aetromonas	619	33	3.7	162397	2	AC011098	AC011098 Homo sapi
547	33.2	3.7	20838	8	AF006399	AF006399 Lotus cor	620	33	3.7	162871	10	AC132537	AC132537 Mus muscu
548	33.2	3.7	65870	8	AC132912	AC132912 Homo sapi	621	33	3.7	168814	10	AL591582	AL591582 Mouse DNA
549	33.2	3.7	67911	10	AL603834	AL603834 Mouse DNA	622	33	3.7	169993	2	AC144884	AC144884 Papio anu
550	33.2	3.7	70185	2	AC138349	AC138349 Homo sapi	623	33	3.7	173294	2	AC105317	AC105317 Homo sapi
551	33.2	3.7	70462	2	AC129532	AC129532 Homo sapi	624	33	3.7	175728	2	AC123394	AC123394 Rattus no
552	33.2	3.7	110000	2	LMFLCHR16_08	AC129397 Rattus no	625	33	3.7	175728	2	AC123394	AC123394 Rattus no
553	33.2	3.7	110000	2	LMFLCHR16_08	Continuation (9 of	626	33	3.7	176550	2	AC147354	AC147354 Xenopus t
554	33.2	3.7	114375	4	AB113357	AB113357 Sus scrof	627	33	3.7	178292	2	AC120830	AC120830 Rattus no
555	33.2	3.7	126475	2	AC123787	AC123787 Homo sapi	628	33	3.7	182490	2	AC068572	AC068572 Homo sapi
556	33.2	3.7	128590	2	CR536618	CR536618 Mus muscu	629	33	3.7	183807	10	AC101956	AC101956 Mus muscu
557	33.2	3.7	134847	2	AC124061	AC124061 Homo sapi	630	33	3.7	184451	9	AC016768	AC016768 Homo sapi
558	33.2	3.7	138444	10	AC135116	AC135116 Mus muscu	631	33	3.7	189778	2	AC132897	AC132897 Mus muscu
559	33.2	3.7	141578	8	AC124141	AC124141 Oryza sat	632	33	3.7	194995	9	AC018696	AC018696 Homo sapi
560	33.2	3.7	145363	8	AC079213	AC079213 Homo sapi	633	33	3.7	200908	2	AC108985	AC108985 Rattus no
561	33.2	3.7	146382	4	AB113356	AB113356 Sus scrof	634	33	3.7	200908	2	AC108985	AC108985 Rattus no
562	33.2	3.7	147004	8	AP003291	AP003291 Oryza sat	635	33	3.7	201220	2	AC148668	AC148668 Xenopus t
563	33.2	3.7	153715	10	AC126681	AC126681 Mus muscu	636	33	3.7	203345	10	AL606746	AL606746 Mouse DNA
564	33.2	3.7	157226	9	AC018902	AC018902 Homo sapi	637	33	3.7	209144	2	AC107731	AC107731 Mus muscu
565	33.2	3.7	159726	9	AC125257	AC125257 Homo sapi	638	33	3.7	213847	2	AC120262	AC120262 Rattus no
566	33.2	3.7	162777	2	AC124100	AC124100 Mus muscu	639	33	3.7	214178	2	AC106259	AC106259 Rattus no
567	33.2	3.7	166572	2	AC091508	AC091508 Felis cat	640	33	3.7	216031	9	AC011328	AC011328 Homo sapi
568	33.2	3.7	170126	2	AC123770	AC123770 Homo sapi	641	33	3.7	225678	2	AC126963	AC126963 Rattus no
569	33.2	3.7	171196	2	AP001369	AP001369 Homo sapi	642	33	3.7	230957	2	AC121192	AC121192 Rattus no
570	33.2	3.7	171810	2	AC128062	AC128062 Rattus no	643	33	3.7	235420	2	AC105668	AC105668 Rattus no
571	33.2	3.7	184157	2	AC073438	AC073438 Homo sapi	644	33	3.7	237622	2	AC097299	AC097299 Rattus no
572	33.2	3.7	202357	5	AL831748	AL831748 Zebrafish	645	33	3.7	246719	2	AC115431	AC115431 Rattus no
573	33.2	3.7	203050	1	AL646071	AL646071 Ralstonia	646	33	3.7	248333	2	AC097969	AC097969 Rattus no
574	33.2	3.7	207901	2	AC115017	AC115017 Mus muscu	647	33	3.7	252132	2	AC127903	AC127903 Rattus no
575	33.2	3.7	212177	10	AC115356	AC115356 Mus muscu	648	33	3.7	252132	2	AC127903	AC127903 Rattus no
576	33.2	3.7	216961	2	AC111383	AC111383 Rattus no	649	33	3.7	255476	2	AC113674	AC113674 Rattus no
577	33.2	3.7	219288	2	AC131321	AC131321 Mus muscu	650	33	3.7	256873	2	AC125949	AC125949 Rattus no
578	33.2	3.7	220714	2	EX936300	EX936300 Mus muscu	651	33	3.7	259014	2	AC107273	AC107273 Rattus no
579	33.2	3.7	222048	2	AC095529	AC095529 Rattus no	652	33	3.7	261990	2	AC111513	AC111513 Rattus no
580	33.2	3.7	234963	2	AC094843	AC094843 Rattus no	653	33	3.7	272301	2	AC133673	AC133673 Rattus no
581	33.2	3.7	237332	2	AC131846	AC131846 Rattus no	654	33	3.7	295449	2	AC105819	AC105819 Rattus no
582	33.2	3.7	240561	2	AC129456	AC129456 Rattus no	655	33	3.7	299800	1	AF005028	AF005028 Streptomy
583	33.2	3.7	242500	10	AC095787	AC095787 Rattus no	656	33	3.7	299800	1	AF005028	AF005028 Streptomy
584	33.2	3.7	257701	1	EX640422	EX640422 Bordetell	657	33	3.7	542	11	G93535	G93535 S208P633FP
585	33.2	3.7	262597	2	AC094133	AC094133 Rattus no	658	33	3.7	611	3	OVD1PROTN	XR7991 O. volutus
586	33.2	3.7	263257	2	AC125564	AC125564 Rattus no	659	33	3.7	781	6	CO789640	CO789640 Sequence
587	33.2	3.7	275598	2	AC021768	AC021768 Mus muscu	660	33	3.7	822	3	ONGARTIC	M27807 C. volutius
588	33.2	3.7	301068	1	AE017231	AE017231 Mycobacte	661	33	3.7	822	6	II1816	II1816 Sequence 1
589	33.2	3.7	340756	1	AC125366	AC125366 Rattus no	662	33	3.7	894	3	AB100032	AB100032 Echlnococ
590	33.2	3.7	346287	1	EX640450	EX640450 Bordetell	663	33	3.7	970	6	CO789638	CO789638 Sequence
591	33.2	3.7	348878	2	AC130911	AC130911 Rattus no	664	33	3.7	1505	9	BC062459	BC062459 Homo sapi
592	33	3.7	342	11	G24497	G24497 human SRS W	665	33	3.7	1667	8	AF322079	AF322079 Microbotr
593	33	3.7	522	6	AX658850	AX658850 Sequence	666	33	3.7	1667	8	AF322080	AF322080 Microbotr
594	33	3.7	977	8	HVABAI1P	K13498 Baley PHVA	667	33	3.7	1667	8	AF322082	AF322082 Microbotr
595	33	3.7	1322	5	CR53195	CR53195 Gallus ga	668	33	3.7	1668	8	AF322081	AF322081 Microbotr
596	33	3.7	1350	8	AK110622	AK110622 Oryza sat	669	33	3.7	2199	6	AX714618	AX714618 Sequence
597	33	3.7	1419	10	BC057979	BC057979 Mus muscu	670	33	3.7	2849	10	RNO245619	AK057097 Homo sapi
598	33	3.7	1451	10	BC032170	BC032170 Mus muscu	671	33	3.7	3479	6	AX463990	AX463990 Sequence
599	33	3.7	1452	10	AL639614	AL639614 Mus muscu	672	33	3.7	3479	6	AX358358	AX358358 Homo sapi
600	33	3.7	1478	10	S67967	S67967 heparin bin	673	33	3.7	3479	6	AX358358	AX358358 Homo sapi
601	33	3.7	1585	6	EL2643	EL2643 cDNA encodi	674	33	3.7	9905	6	AX379470	AX379470 Sequence
602	33	3.7	1804	8	HVHVA1	YJ8205 H. vulgare (675	33	3.7	10561	6	CO789655	CO789655 Sequence
603	33	3.7	1804	8	HVHVA1	YJ8205 H. vulgare (676	33	3.7	10618	1	AE013539	AE013539 Methanosa

c 677	32.8	3.7	11006	5	CQ789654	Sequence	750	32.6	3.7	907	8	AF159883	AF159883 Oryza sat
c 678	32.8	3.7	46530	2	BX293554	Continuation (6 of	751	32.6	3.7	911	5	BX933638	BX933638 Gallus ga
c 679	32.8	3.7	67645	9	AL356486	Human DNA	752	32.6	3.7	937	5	CR352633	CR352633 Gallus ga
c 680	32.8	3.7	72151	9	AC091890	Homo sapi	753	32.6	3.7	1695	8	AY391254	AY391254 Spumella
c 681	32.8	3.7	81763	9	AC107208	Homo sapi	754	32.6	3.7	2110	11	BV177352	BV177352 Bm104165
c 682	32.8	3.7	103034	2	AC067978	Homo sapi	755	32.6	3.7	2110	11	BV177990	BV177990 sqm10903
c 683	32.8	3.7	110000	2	AC095743	Continuation (2 of	756	32.6	3.7	2110	11	BV177990	BV177990 sqm10903
c 684	32.8	3.7	111934	2	AP281074	Homo sapi	757	32.6	3.7	2480	10	AF013282	AF013282 Mus muscu
c 685	32.8	3.7	116039	9	AC007362	Homo sapi	758	32.6	3.7	3000	9	BC036812	BC036812 Homo sapi
c 686	32.8	3.7	123556	9	HS057115	Z98950 Human DNA	759	32.6	3.7	4233	10	AF352815	AF352815 Mus muscu
c 687	32.8	3.7	123925	9	AC003976	Human DNA	760	32.6	3.7	4233	10	AF352815	AF352815 Mus muscu
c 688	32.8	3.7	131037	2	AC118283	AC148738 Orythorh	761	32.6	3.7	40933	9	AC112243	AC112243 Homo sapi
c 689	32.8	3.7	131537	2	AC148738	AC136332 Human DNA	762	32.6	3.7	44273	9	AF623112	AF623112 Homo sapi
c 690	32.8	3.7	136450	8	AL136332	Human DNA	763	32.6	3.7	52586	9	AF258547	AF258547 Homo sapi
c 691	32.8	3.7	136858	8	AC134345	AC134345 Oryza sat	764	32.6	3.7	57113	2	AC100045	AC100045 Mus muscu
c 692	32.8	3.7	140553	8	AC091666	AC079207 Homo sapi	765	32.6	3.7	59029	9	AL445163	AL445163 Homo sapi
c 693	32.8	3.7	143052	2	AC079207	Homo sapi	766	32.6	3.7	67442	2	AC132207	AC132207 Homo sapi
c 694	32.8	3.7	144324	9	AC097526	AC097526 Homo sapi	767	32.6	3.7	94949	9	AY623115	AY623115 Homo sapi
c 695	32.8	3.7	145952	8	AC135921	Oryza sat	768	32.6	3.7	104726	9	AC008087	AC008087 Homo sapi
c 696	32.8	3.7	147352	2	AC137746	AC137746 Oryza sat	769	32.6	3.7	106873	14	AB096160	AB096160 Cercopit
c 697	32.8	3.7	151279	2	AC137648	AC137648 Bos tauru	770	32.6	3.7	108299	10	AL606747	AL606747 Mouse DNA
c 698	32.8	3.7	151972	8	AC131775	AC131775 Genomic s	771	32.6	3.7	110000	8	CR382128	CR382128-23
c 699	32.8	3.7	153082	2	AC142533	AC142533 Homo sapi	772	32.6	3.7	116004	9	AF258545	AF258545 Homo sapi
c 700	32.8	3.7	154518	9	AC026791	AC026791 Homo sapi	773	32.6	3.7	118047	9	HS0513M9	HS0513M9 Human DNA
c 701	32.8	3.7	154518	9	AC069363	AC069363 Homo sapi	774	32.6	3.7	126732	9	AL137077	AL137077 Human DNA
c 702	32.8	3.7	156555	9	AC026756	AC026756 Homo sapi	775	32.6	3.7	131112	9	AL157712	AL157712 Human DNA
c 703	32.8	3.7	156683	9	AC091891	AC091891 Homo sapi	776	32.6	3.7	136002	9	AC120024	AC120024 Homo sapi
c 704	32.8	3.7	162857	9	BX649569	Human DNA	777	32.6	3.7	142956	8	AP004641	AP004641 Oryza sat
c 705	32.8	3.7	162897	2	AC110880	AC110880 Mus muscu	778	32.6	3.7	145410	2	AC027455	AC027455 Homo sapi
c 706	32.8	3.7	170760	2	AC004071	AC004071 Homo sapi	779	32.6	3.7	146805	2	AL450424	AL450424 Homo sapi
c 707	32.8	3.7	174080	2	AF217246	AF217246 Homo sapi	780	32.6	3.7	152574	9	AL111195	AL111195 Homo sapi
c 708	32.8	3.7	174306	10	AC140444	AC140444 Mus muscu	781	32.6	3.7	155539	9	AL138721	AL138721 Homo sapi
c 709	32.8	3.7	177393	2	AC079019	AC079019 Homo sapi	782	32.6	3.7	156789	14	AF533768	AF533768 Cercopit
c 710	32.8	3.7	177522	9	AC093566	AC093566 Homo sapi	783	32.6	3.7	157442	10	AC105001	AC105001 Homo sapi
c 711	32.8	3.7	177826	2	AC016852	AC016852 Homo sapi	784	32.6	3.7	157928	9	AL133283	AL133283 Mus muscu
c 712	32.8	3.7	179393	2	AC121271	AC121271 Mus muscu	785	32.6	3.7	158602	9	AL133283	AL133283 Mus muscu
c 713	32.8	3.7	179393	2	AC121271	AC121271 Mus muscu	786	32.6	3.7	162351	9	AC123903	AC123903 Homo sapi
c 714	32.8	3.7	181389	2	AC099496	AC099496 Homo sapi	787	32.6	3.7	162456	10	AL954131	AL954131 Mouse DNA
c 715	32.8	3.7	182747	9	AC090964	AC090964 Homo sapi	788	32.6	3.7	163481	9	AL139274	AL139274 Human DNA
c 716	32.8	3.7	183249	9	AC004828	AC004828 Homo sapi	789	32.6	3.7	165701	8	AP004357	AP004357 Oryza sat
c 717	32.8	3.7	186387	10	AC122885	AC122885 Mus muscu	790	32.6	3.7	166233	9	AL606489	AL606489 Homo sapi
c 718	32.8	3.7	187005	9	BX664735	BX664735 Human DNA	791	32.6	3.7	167079	2	AL606489	AL606489 Homo sapi
c 719	32.8	3.7	188584	10	AC069563	AC069563 Mus muscu	792	32.6	3.7	168542	2	AC058792	AC058792 Homo sapi
c 720	32.8	3.7	191560	2	AC145530	AC145530 Callithr	793	32.6	3.7	172601	2	AC021455	AC021455 Homo sapi
c 721	32.8	3.7	195423	2	AC087151	AC087151 Mus muscu	794	32.6	3.7	177303	2	AC026576	AC026576 Homo sapi
c 722	32.8	3.7	201178	10	AC098714	AC098714 Mus muscu	795	32.6	3.7	177898	2	HS168415	HS168415 Homo sapi
c 723	32.8	3.7	205503	2	AC141489	AC141489 Rattus no	796	32.6	3.7	180935	2	AC010098	AC010098 Human DNA
c 724	32.8	3.7	208026	9	AP062692	AP062692 Homo sapi	797	32.6	3.7	183090	2	AC121175	AC121175 Rattus no
c 725	32.8	3.7	211156	2	AC135939	AC135939 Homo sapi	798	32.6	3.7	184407	2	AC122767	AC122767 Mus muscu
c 726	32.8	3.7	217001	10	AC125052	AC125052 Mus muscu	799	32.6	3.7	186526	2	AL159608	AL159608 Mouse DNA
c 727	32.8	3.7	222994	2	AC094289	AC094289 Rattus no	800	32.6	3.7	187263	2	AC118725	AC118725 Mus muscu
c 728	32.8	3.7	226758	2	AC121186	AC121186 Rattus no	801	32.6	3.7	187805	9	AL356133	AL356133 Homo sapi
c 729	32.8	3.7	233831	2	AC107338	AC107338 Rattus no	802	32.6	3.7	192332	10	AC025521	AC025521 Homo sapi
c 730	32.8	3.7	238973	2	AC133265	AC133265 Rattus no	803	32.6	3.7	198453	9	AL606745	AL606745 Mouse DNA
c 731	32.8	3.7	241987	2	AC101725	AC101725 Mus muscu	804	32.6	3.7	200836	2	AC011965	AC011965 Homo sapi
c 732	32.8	3.7	244281	2	AC125891	AC125891 Rattus no	805	32.6	3.7	212150	9	AC012491	AC012491 Homo sapi
c 733	32.8	3.7	245238	2	AC120998	AC120998 Rattus no	806	32.6	3.7	216961	2	AC1113078	AC1113078 Mus muscu
c 734	32.8	3.7	252473	2	AC093972	AC093972 Rattus no	807	32.6	3.7	223482	2	AL732573	AL732573 Homo sapi
c 735	32.8	3.7	263580	1	AC144543	AC144543 Mus muscu	808	32.6	3.7	223482	2	AL732573	AL732573 Homo sapi
c 736	32.8	3.7	268356	1	TACID5	AL445067 Thermopla	809	32.6	3.7	236244	10	AC127871	AC127871 Homo sapi
c 737	32.8	3.7	270654	2	AC096084	AC096084 Rattus no	810	32.6	3.7	236244	10	AC127871	AC127871 Homo sapi
c 738	32.8	3.7	281232	2	AC130994	AC130994 Rattus no	811	32.6	3.7	238408	2	AC140402	AC140402 Mus muscu
c 739	32.8	3.7	282407	8	AC114114	AC114114 Rattus no	812	32.6	3.7	246257	2	AC128192	AC128192 Rattus no
c 740	32.8	3.7	300029	8	AE017081	AE017081 Oryza sat	813	32.6	3.7	247196	2	AC073822	AC073822 Mus muscu
c 741	32.8	3.7	330939	2	AC109376	AC109376 Rattus no	814	32.6	3.7	247588	10	AC14512	AC14512 Homo sapi
c 742	32.6	3.7	347894	1	BX640431	BX640431 Boidetelel	815	32.6	3.7	264410	10	AC116119	AC116119 Homo sapi
c 743	32.6	3.7	251	11	BV189099	BV189099 sqm16236	816	32.6	3.7	267507	2	AC126285	AC126285 Rattus no
c 744	32.6	3.7	406	6	C0528992	C0528992 Sequence	817	32.6	3.7	274738	2	AC094114	AC094114 Rattus no
c 745	32.6	3.7	534	5	AB035321	AB035321 Dirofilar	818	32.6	3.7	300140	1	AP005956	AP005956 Bradyrhiz
c 746	32.6	3.7	889	5	BX933670	BX933670 Gallus ga	819	32.6	3.7	301995	1	AE016779	AE016779 Pseudomon
c 747	32.6	3.7	889	5	BX933531	BX933531 Gallus ga	820	32.6	3.7	320150	1	AP005033	AP005033 Streptomy
c 748	32.6	3.7	899	5	BX933515	BX933515 Gallus ga	821	32.6	3.7	328863	2	AL627202	AL627202 Homo sapi
c 749	32.6	3.7	899	5	BX936273	BX936273 Gallus ga	822	32.6	3.7	348525	1	BX640428	BX640428 Boidetelel

C 823	32.6	3.7 34878	2	AC130911	Rattus no	896	32.4	3.6 213613	2	AC013405	AC013405 Homo sapi
C 824	32.6	3.7 348934	1	BX640417	Bordetell	C 897	32.4	3.6 214847	2	AC098980	AC098980 Rattus no
C 825	32.6	3.7 349442	1	BX640447	Bordetell	C 898	32.4	3.6 217594	1	AP002086	AP002086 Agrobacte
C 826	32.4	3.6 598	6	CO600441	Sequence	C 899	32.4	3.6 217819	2	AC025386	AC025386 Mus muscu
C 827	32.4	3.6 605	11	BV161594	Sequence	C 900	32.4	3.6 219076	2	AL773173	AL773173 Mouse DNA
C 828	32.4	3.6 608	3	AY119094	RPMAME00	C 901	32.4	3.6 220710	10	AC125304	AC125304 Rattus no
C 829	32.4	3.6 1017	10	RATRSIDB	Rat brain-s	C 902	32.4	3.6 221553	10	AC149282	AC149282 Mus muscu
C 830	32.4	3.6 1178	10	BC004658	Mus muscu	C 903	32.4	3.6 221899	10	AC087117	AC087117 Mus Muscu
C 831	32.4	3.6 1306	8	AY084476	Arabidops	C 904	32.4	3.6 224548	3	AE003739	AE003739 Drosophil
C 832	32.4	3.6 1665	10	RATCYTA	M35605 Rat cytolys	C 905	32.4	3.6 228242	2	AC109115	AC109115 Rattus no
C 833	32.4	3.6 1744	9	HMMNACT	L48488 Homo sapien	C 906	32.4	3.6 228698	2	AC127479	AC127479 Mus muscu
C 834	32.4	3.6 2320	9	AB046066	AB046066 Macaca fa	C 907	32.4	3.6 230157	9	AP001324	AP001324 Homo sapi
C 835	32.4	3.6 2598	6	CG600440	Sequence	C 908	32.4	3.6 230444	2	AC109424	AC109424 Rattus no
C 836	32.4	3.6 2827	6	CQ587786	Sequence	C 909	32.4	3.6 232503	2	AC098900	AC098900 Rattus no
C 837	32.4	3.6 2837	6	CQ583451	Sequence	C 910	32.4	3.6 233229	2	AC108610	AC108610 Rattus no
C 838	32.4	3.6 3036	6	CO807305	Sequence	C 911	32.4	3.6 233489	2	AC097798	AC097798 Rattus no
C 839	32.4	3.6 5090	8	AB062675	Sequence	C 912	32.4	3.6 237653	2	AC073760	AC073760 Mus muscu
C 840	32.4	3.6 5584	8	HSMB08309	BX648162 Homo sapi	C 913	32.4	3.6 239681	2	AC128835	AC128835 Rattus no
C 841	32.4	3.6 1937	2	AC017980	AC017980 Drosophil	C 914	32.4	3.6 245482	2	AC098630	AC098630 Rattus no
C 842	32.4	3.6 36377	2	AC011531	AC011531 Homo sapi	C 915	32.4	3.6 251150	2	AC118390	AC118390 Rattus no
C 843	32.4	3.6 39421	2	AC133541	AC133541 Homo sapi	C 916	32.4	3.6 251180	2	AC095821	AC095821 Rattus no
C 844	32.4	3.6 87476	2	AC138695	AC138695 Homo sapi	C 917	32.4	3.6 275443	2	AC096407	AC096407 Pseudomon
C 845	32.4	3.6 91034	2	AC025911	AC025911 Mus muscu	C 918	32.4	3.6 300242	1	AE016790	AE016790 Rattus no
C 846	32.4	3.6 10395	2	AC096695	AC096695 Rattus no	C 919	32.4	3.6 305225	2	AC130763	AC130763 Rattus no
C 847	32.4	3.6 110000	1	AE017180	Continuation (8 of	C 920	32.4	3.6 315395	2	AC132017	AC132017 Rattus no
C 848	32.4	3.6 110000	2	AL929223_1	Continuation (5 of	C 921	32.2	3.6 615	11	BV015449	BV015449 S210P6121
C 849	32.4	3.6 110000	2	AL929223_4	Continuation (2 of	C 922	32.2	3.6 761	10	BC052763	BC052763 Mus muscu
C 850	32.4	3.6 110000	8	CR380952_07	Continuation (8 of	C 923	32.2	3.6 796	10	BC038517	BC038517 Mus muscu
C 851	32.4	3.6 115986	2	AC150107	AC150107 Gallus ga	C 924	32.2	3.6 863	6	AB5839	AB5839 Sequence 49
C 852	32.4	3.6 118300	2	AP000560	AP000560 Homo sapi	C 925	32.2	3.6 863	6	AR155332	AR155332 Sequence
C 853	32.4	3.6 123931	9	AC011404	AC011404 Homo sapi	C 926	32.2	3.6 863	6	BE5857	BE5857 Genome DNA
C 854	32.4	3.6 125406	9	AC008614	AC008614 Homo sapi	C 927	32.2	3.6 2501	6	CO595904	CO595904 Sequence
C 855	32.4	3.6 125726	2	AC150133	AC150133 Gallus ga	C 928	32.2	3.6 3143	3	AF100776	AF100776 Leishmani
C 856	32.4	3.6 129320	9	HSB147M23	AL096816 Human DNA	C 929	32.2	3.6 3381	3	AF126442	AF126442 Lymnaea
C 857	32.4	3.6 135545	10	MMHC21333	AP109905 Mus muscu	C 930	32.2	3.6 14461	6	AX256438	AX256438 Sequence
C 858	32.4	3.6 135653	2	AC130404	AC130404 Homo sapi	C 931	32.2	3.6 37675	2	AC0078116	AC0078116 Drosophil
C 859	32.4	3.6 141937	2	AC011686	AC011686 Homo sapi	C 932	32.2	3.6 42265	9	AC007136	AC007136 Homo sapi
C 860	32.4	3.6 143244	8	AP009197	AP009197 Homo sapi	C 933	32.2	3.6 51267	2	AC100027	AC100027 Mus muscu
C 861	32.4	3.6 145100	8	AP005828	AP005828 Oryza sat	C 934	32.2	3.6 87692	8	AC011396	AC011396 Homo sapi
C 862	32.4	3.6 145542	8	AP007223	AP007223 Oryza sat	C 935	32.2	3.6 105807	8	AC006085	AC006085 Arabidops
C 863	32.4	3.6 145776	2	AP007223	AP007223 Oryza sat	C 936	32.2	3.6 105807	8	AC006085	AC006085 Arabidops
C 864	32.4	3.6 148864	9	HS358H7	Z772429 Human DNA	C 937	32.2	3.6 110000	1	AE016822_15	AE016822_15 Sphero
C 865	32.4	3.6 151397	2	AL390249	AL390249 Homo sapi	C 938	32.2	3.6 110000	1	AE016822_16	AE016822_16 Continuation (17 o
C 866	32.4	3.6 151751	2	AC023243	AC023243 Homo sapi	C 939	32.2	3.6 110000	8	CR382127_13	CR382127_13 Continuation (18 o
C 867	32.4	3.6 153595	2	AP004239	AP004239 Oryza sat	C 940	32.2	3.6 110000	8	CR382130_09	CR382130_09 Continuation (14 o
C 868	32.4	3.6 156431	2	AC114420	AC114420 Mus muscu	C 941	32.2	3.6 110000	8	CR382130_09	CR382130_09 Continuation (10 o
C 869	32.4	3.6 157347	2	CR388068	CR388068 Dario rer	C 942	32.2	3.6 125032	9	AC007099	AC007099 Homo sapi
C 870	32.4	3.6 158800	2	AC027090	AC027090 Homo sapi	C 943	32.2	3.6 13687	8	AC002093	AC002093 Homo sapi
C 871	32.4	3.6 161985	10	AL592169	AL592169 Mouse DNA	C 944	32.2	3.6 149353	8	OSJN00153	OSJN00153 Oryza sat
C 872	32.4	3.6 163288	2	BX545850	BX545850 Drosophil	C 945	32.2	3.6 150652	2	AC016535	AC016535 Homo sapi
C 873	32.4	3.6 164501	3	AC006494	AC006494 Drosophil	C 946	32.2	3.6 155026	2	AL442128	AL442128 Human DNA
C 874	32.4	3.6 164686	4	AC098686	AC098686 Bos tauru	C 947	32.2	3.6 155316	2	AC114646	AC114646 Mus muscu
C 875	32.4	3.6 165590	4	AC092858	AC092858 Bos tauru	C 948	32.2	3.6 160088	2	AC142202	AC142202 Homo sapi
C 876	32.4	3.6 166334	4	BX546502	BX546502 Dario rer	C 949	32.2	3.6 160180	10	AC129016	AC129016 Mus muscu
C 877	32.4	3.6 166530	9	AC069259	AC069259 Homo sapi	C 950	32.2	3.6 165395	8	AL353728	AL353728 Human DNA
C 878	32.4	3.6 173978	2	AC020649	AC020649 Homo sapi	C 951	32.2	3.6 165739	9	AC137635	AC137635 Genomic B
C 879	32.4	3.6 178916	2	AC132679	AC132679 Mus muscu	C 952	32.2	3.6 167777	9	AC019330	AC019330 Homo sapi
C 880	32.4	3.6 179562	2	AC008196	AC008196 Drosophil	C 953	32.2	3.6 168535	2	AC021302	AC021302 Homo sapi
C 881	32.4	3.6 187341	2	AC024980	AC024980 Homo sapi	C 954	32.2	3.6 169975	2	AC148813	AC148813 Rhinoloph
C 882	32.4	3.6 188165	2	CNS00003	AL049781 Human chr	C 955	32.2	3.6 170595	2	AC025937	AC025937 Homo sapi
C 883	32.4	3.6 189076	2	AC150868	AC150868 Bos tauru	C 956	32.2	3.6 170908	9	HSBA28009	HSBA28009 Human DNA
C 884	32.4	3.6 189762	2	AC020205	AC020205 Homo sapi	C 957	32.2	3.6 171525	2	AC145473	AC145473 Rattus no
C 885	32.4	3.6 189953	2	AP004844	AP004844 Oryza sat	C 958	32.2	3.6 171912	10	AC104200	AC104200 Mus muscu
C 886	32.4	3.6 190088	10	AC132446	AC132446 Mus muscu	C 959	32.2	3.6 172344	9	AC092623	AC092623 Homo sapi
C 887	32.4	3.6 191110	2	AC121413	AC121413 Rattus no	C 960	32.2	3.6 172569	2	AC150455	AC150455 Callichr
C 888	32.4	3.6 191630	2	AC022239	AC022239 Homo sapi	C 961	32.2	3.6 173133	2	AC016166	AC016166 Homo sapi
C 889	32.4	3.6 191732	2	AC096629	AC096629 Bos tauru	C 962	32.2	3.6 175303	2	AC024721	AC024721 Homo sapi
C 890	32.4	3.6 192252	10	AL672147	AL672147 Mouse DNA	C 963	32.2	3.6 177206	9	AC005105	AC005105 Homo sapi
C 891	32.4	3.6 201143	2	HS150C2	AL022318 Human DNA	C 964	32.2	3.6 177531	2	AC129120	AC129120 Rattus no
C 892	32.4	3.6 202572	2	AC116942	AC116942 Pan trogl	C 965	32.2	3.6 177736	3	AC005714	AC005714 Drosophil
C 893	32.4	3.6 202911	2	AC119063	AC119063 Pan trogl	C 966	32.2	3.6 179359	2	AC150630	AC150630 Zea mays
C 894	32.4	3.6 207025	2	AC138843	AC138843 Homo sapi	C 967	32.2	3.6 179597	9	AC068466	AC068466 Homo sapi
C 895	32.4	3.6 211452	2	AP002010	AP002010 Homo sapi	C 968	32.2	3.6 181120	2	AC149832	AC149832 Zea mays

969	32.2	3.6	181577	8	AF480497	Oryza sat	1042	32	3.6	4871	6	BD262979	BD262979 DNA sequ
C 970	32.2	3.6	181706	9	AC114814	Homo sapi	1043	32	3.6	4871	6	AX024273	AX024273 Sequence
C 971	32.2	3.6	183228	9	AC010547	Homo sapi	1044	32	3.6	6500	1	RSPPPCL	AJ002398 Rhodobact
C 972	32.2	3.6	185795	10	AC127333	Mus muscu	1045	32	3.6	7042	6	C0614675	C0614675 Sequence
C 973	32.2	3.6	190670	5	BX000521	Zebrafish	1046	32	3.6	10501	1	AB005371	AB005371 Escherich
C 974	32.2	3.6	191041	10	AL772261	Mouse DNA	1047	32	3.6	10732	6	E32986	E32986 Gene encodid
C 975	32.2	3.6	191467	3	AC008348	Drosophill	1048	32	3.6	16280	3	CET05G11	AL023816 Caenorhad
C 976	32.2	3.6	193231	2	AC149202	Macaqa mu	1049	32	3.6	18700	1	D90774	D90774 E.coli geno
C 977	32.2	3.6	194309	10	AC125213	Mus muscu	1050	32	3.6	33077	9	AC148474	AC148474 Pan trogl
C 978	32.2	3.6	195115	2	CNS01DU7	Human chr	1051	32	3.6	35865	9	AC011552	AC011552 Human chr
C 979	32.2	3.6	195370	2	AC102927	Mus muscu	1052	32	3.6	36685	2	AC137637	AC137637 Homo sapi
C 980	32.2	3.6	197426	9	CNS07EG9	Human chr	1053	32	3.6	36868	2	AC137493	AC137493 Homo sapi
C 981	32.2	3.6	197689	9	CNS01DMO	Human chr	1054	32	3.6	37480	2	AC137812	AC137812 Homo sapi
C 982	32.2	3.6	206943	2	AC138848	Homo sapi	1055	32	3.6	39732	2	AC137527	AC137527 Homo sapi
C 983	32.2	3.6	207233	10	AL159389	Mouse DNA	1056	32	3.6	46791	9	AC004639	AC004639 Homo sapi
C 984	32.2	3.6	207901	10	AL590389	Chromosom	1057	32	3.6	70282	9	AP001505	AP001505 Homo sapi
C 985	32.2	3.6	211018	2	CNS07EGC	Chromosom	1058	32	3.6	74685	2	AC114662	AC114662 Homo sapi
C 986	32.2	3.6	211409	2	AC138366	Mus muscu	1059	32	3.6	76571	2	AC011649	AC011649 Homo sapi
C 987	32.2	3.6	215391	2	AC120168	Mus muscu	1060	32	3.6	81147	9	AL606504	AL606504 Human DNA
C 988	32.2	3.6	226820	2	AC118872	Rattus no	1061	32	3.6	105589	2	AC022659	AC022659 Homo sapi
C 989	32.2	3.6	228059	2	AC109886	Rattus no	1062	32	3.6	106018	9	HS864118	HS864118 Human DNA
C 990	32.2	3.6	230220	2	AC140042	Mus muscu	1063	32	3.6	110000	1	U00096.14	U00096.14 Continuation (15 o
C 991	32.2	3.6	236007	2	AC114426	Mus muscu	1064	32	3.6	118339	8	AP003962	AP003962 Oryza sat
C 992	32.2	3.6	239591	2	AC128432	Rattus no	1065	32	3.6	121698	2	AC073578	AC073578 Homo sapi
C 993	32.2	3.6	240906	2	AC118601	Mus muscu	1066	32	3.6	122175	2	BS000631	BS000631 Pan trogl
C 994	32.2	3.6	241714	2	AC079564	Mus muscu	1067	32	3.6	123721	2	OSR01008	OSR01008 Oryza sat
C 995	32.2	3.6	258290	2	AC109715	Rattus no	1068	32	3.6	132641	9	AP000679	AP000679 Homo sapi
C 996	32.2	3.6	258888	2	AC109677	Rattus no	1069	32	3.6	134401	10	AC125397	AC125397 Mus muscu
C 997	32.2	3.6	261384	2	AC115415	Rattus no	1070	32	3.6	138159	9	AL138965	AL138965 Human DNA
C 998	32.2	3.6	261733	2	AC112382	Rattus no	1071	32	3.6	145630	9	AL512622	AL512622 Human DNA
C 999	32.2	3.6	267565	2	AC098917	Rattus no	1072	32	3.6	148252	2	AC135789	AC135789 Homo sapi
C1000	32.2	3.6	276742	2	AC096514	Rattus no	1073	32	3.6	148942	8	AP004397	AP004397 Oryza sat
C1001	32.2	3.6	286283	10	AC139214	Mus muscu	1074	32	3.6	148973	2	AC149885	AC149885 Xenopus t
C1002	32.2	3.6	290655	1	SC093912	Mus muscu	1075	32	3.6	154019	2	AC137542	AC137542 Felis cat
C1003	32.2	3.6	300100	8	AE016908	Drosophill	1076	32	3.6	154730	3	AC008184	AC008184 Drosophill
C1004	32.2	3.6	300233	8	AE016908	Drosophill	1077	32	3.6	154840	2	AC032035	AC032035 Homo sapi
C1005	32.2	3.6	307323	3	CQ491357	Sequence	1078	32	3.6	157233	9	AC087564	AC087564 Homo sapi
C1006	32.2	3.6	308239	6	CQ491357	Sequence	1079	32	3.6	161600	10	BX004866	BX004866 Mouse DNA
C1007	32.2	3.6	338	6	CQ497229	Sequence	1080	32	3.6	163186	2	AC027722	AC027722 Homo sapi
C1008	32.2	3.6	341	6	CQ473232	Sequence	1081	32	3.6	164459	2	AC105335	AC105335 Mus muscu
C1009	32.2	3.6	342	6	CQ483401	Sequence	1082	32	3.6	166335	2	AC010313	AC010313 Homo sapi
C1010	32.2	3.6	394	6	CQ503521	Sequence	1083	32	3.6	166847	9	AC008393	AC008393 Homo sapi
C1011	32.2	3.6	394	6	CQ512353	Sequence	1084	32	3.6	167136	8	AC144452	AC144452 Oryza sat
C1012	32.2	3.6	522	8	AB181185	Populus n	1085	32	3.6	167398	2	AC069227	AC069227 Homo sapi
C1013	32.2	3.6	522	8	AB181239	Populus n	1086	32	3.6	167498	2	AC148191	AC148191 Orolemur
C1014	32.2	3.6	891	5	BX931809	Gallus ga	1087	32	3.6	169062	2	AC012857	AC012857 Drosophill
C1015	32.2	3.6	943	5	BX929572	Gallus ga	1088	32	3.6	171127	9	AC009152	AC009152 Homo sapi
C1016	32.2	3.6	1080	3	BWU16030	Brugia maia	1089	32	3.6	171266	9	AF404777	AF404777 Homo sapi
C1017	32.2	3.6	1151	3	UOP241807	Opeceolid	1090	32	3.6	172479	3	AC006590	AC006590 Drosophill
C1018	32.2	3.6	1161	3	UOP241808	Opeceolid	1091	32	3.6	172811	2	AC145847	AC145847 Canis fam
C1019	32.2	3.6	1276	1	AF246395	Acidithio	1092	32	3.6	173071	2	AC099477	AC099477 Homo sapi
C1020	32.2	3.6	1320	6	AR380703	Sequence	1093	32	3.6	174435	2	AC102888	AC102888 Mus muscu
C1021	32.2	3.6	1320	9	HUMSOAUSYN	Human equal	1094	32	3.6	175649	2	AC080163	AC080163 Homo sapi
C1022	32.2	3.6	1345	5	BC068437	Danio rer	1095	32	3.6	181105	2	AP002394	AP002394 Homo sapi
C1023	32.2	3.6	1349	6	I32887	Sequence 5	1096	32	3.6	181532	10	CNS01DM2	AC116326 Mus muscu
C1024	32.2	3.6	1390	6	AV007159	Homo sapi	1097	32	3.6	182166	9	AL451085	AL451085 Human DNA
C1025	32.2	3.6	1637	4	AV333977	Canis fam	1098	32	3.6	184423	2	AC138328	AC138328 Mus muscu
C1026	32.2	3.6	1647	6	CQ716605	Sequence	1099	32	3.6	190766	2	AC009146	AC009146 Homo sapi
C1027	32.2	3.6	1649	9	HUMSQUAL	Human hepat	1100	32	3.6	190766	2	AP001360	AP001360 Homo sapi
C1028	32.2	3.6	1664	9	BC029641	Sequence	1101	32	3.6	191314	2	AC147697	AC147697 Callithr
C1029	32.2	3.6	1673	9	S76882	Homo sapi	1102	32	3.6	191314	2	AC147697	AC147697 Callithr
C1030	32.2	3.6	1688	8	AF110227	Arabisops	1103	32	3.6	192699	4	AC150852	AC150852 Bos tauru
C1031	32.2	3.6	1700	9	BC009251	Homo sapi	1104	32	3.6	195280	2	AC034149	AC034149 Homo sapi
C1032	32.2	3.6	1900	6	CQ490937	Sequence	1105	32	3.6	195220	2	AC105945	AC105945 Mus muscu
C1033	32.2	3.6	1900	6	CQ496791	Sequence	1106	32	3.6	195554	2	AL714009	AL714009 Mus muscu
C1034	32.2	3.6	1952	9	AK057726	Homo sapi	1107	32	3.6	195791	2	AC018997	AC018997 Homo sapi
C1035	32.2	3.6	2051	9	HSSOUSYN	Homo sapi	1108	32	3.6	196018	2	AP001364	AP001364 Homo sapi
C1036	32.2	3.6	2405	8	AK101199	Sequence	1109	32	3.6	196260	2	AC112606	AC112606 Rattus no
C1037	32.2	3.6	2475	1	ECORECEA	Escherichia	1110	32	3.6	197000	2	AC124859	AC124859 Homo sapi
C1038	32.2	3.6	3672	5	AF036942	Gallus ga	1111	32	3.6	197799	8	ATCHRIV45	ATCHRIV45 Rattus no
C1039	32.2	3.6	4428	6	C0614676	Sequence	1112	32	3.6	199548	8	ATFCA7	ATFCA7
C1040	32.2	3.6	4431	3	AY058795	Drosophill	1113	32	3.6	201471	2	AC102839	AC102839 Mus muscu
C1041	32.2	3.6	4439	3	AF327844	Drosophill	1114	32	3.6	203260	2	AC102839	AC102839 Mus muscu

C1115	32	3.6	203301	2	AC147067	AC147067 Homo sapi	C1188	31.8	3.6	49999	6	AX015917	AX015917 Sequence
1116	32	3.6	203793	10	AL928796	AL928796 Mouse DNA	1189	31.8	3.6	56131	9	AP000295	AP000295 Homo sapi
C1117	32	3.6	205129	2	AC148031	AC148031 Homo sapi	1190	31.8	3.6	58846	9	BX470206	BX470206 Human DNA
C1118	32	3.6	209383	10	AC121604	AC121604 Mus muscu	1191	31.8	3.6	62498	2	AC136490	AC136490 Homo sapi
C1119	32	3.6	209452	10	AL732513	AL732513 Mouse DNA	C1192	31.8	3.6	67884	2	AC115103	AC115103 Homo sapi
1120	32	3.6	210697	2	AC135790	AC135790 Homo sapi	1193	31.8	3.6	69495	9	BX322539	BX322539 Human DNA
C1121	32	3.6	211892	10	AL732403	AL732403 Mouse DNA	C1194	31.8	3.6	72243	9	AL731858	AL731858 Human DNA
1122	32	3.6	212281	2	AC112022	AC112022 Rattus no	1195	31.8	3.6	83547	2	AC022890	AC022890 Homo sapi
1123	32	3.6	212360	10	AL606908	AL606908 Mouse DNA	1196	31.8	3.6	88721	2	AC021952	AC021952 Mus muscu
C1124	32	3.6	214848	2	AC100561	AC100561 Mus muscu	1197	31.8	3.6	90837	10	AL928648	AL928648 Mouse DNA
1125	32	3.6	215348	2	AC113034	AC113034 Mus muscu	C1198	31.8	3.6	93471	9	AL592486	AL592486 Human DNA
1126	32	3.6	219473	2	AC137478	AC137478 Rattus no	C1199	31.8	3.6	95579	9	AC023162	AC023162 Homo sapi
C1127	32	3.6	220066	2	AC084068	AC084068 Mus muscu	1200	31.8	3.6	98356	9	HS344J2	HS344J2 Homo sapi
1128	32	3.6	220430	2	AC095315	AC095315 Rattus no	1201	31.8	3.6	100000	9	AP000044	AP000044 Homo sapi
1129	32	3.6	222040	2	AC098532	AC098532 Rattus no	1202	31.8	3.6	100000	9	AP000112	AP000112 Homo sapi
1130	32	3.6	226013	2	AC073680	AC073680 Mus muscu	1203	31.8	3.6	100000	9	AP000188	AP000188 Homo sapi
1131	32	3.6	228610	2	AC129378	AC129378 Rattus no	C1204	31.8	3.6	100000	9	AP000509	AP000509 Homo sapi
1132	32	3.6	232234	10	AC118006	AC118006 Mus muscu	C1205	31.8	3.6	100020	9	AC092165	AC092165 Homo sapi
C1133	32	3.6	232631	2	AC136122	AC136122 Rattus no	1206	31.8	3.6	100046	5	BX537250	BX537250 Zebrafish
1134	32	3.6	236533	2	AC103433	AC103433 Rattus no	C1207	31.8	3.6	100272	9	HSDBJ42G6	HSDBJ42G6 Human DNA
1135	32	3.6	238056	2	AC105894	AC105894 Rattus no	1208	31.8	3.6	104171	2	AC019499	AC019499 Drosophila
C1136	32	3.6	239467	2	AC111384	AC111384 Rattus no	1209	31.8	3.6	107652	9	HSDB259N9	HSDB259N9 Homo sapi
1137	32	3.6	241538	2	AC148049	AC148049 Ootemur	C1210	31.8	3.6	110000	2	AC140148_2	AC140148_2 Continuation (3 of
C1138	32	3.6	243440	2	AC098290	AC098290 Rattus no	1211	31.8	3.6	115045	9	AC004414	AC004414 Homo sapi
1139	32	3.6	246184	2	AC091385	AC091385 Rattus no	1212	31.8	3.6	117951	9	AC023049	AC023049 Homo sapi
C1140	32	3.6	246893	2	AC132513	AC132513 Rattus no	1213	31.8	3.6	121959	2	CR388229	CR388229 Homo sapi
1141	32	3.6	251510	2	AC093337	AC093337 Mus muscu	C1214	31.8	3.6	124343	9	AL357127	AL357127 Human DNA
C1142	32	3.6	255881	2	AC102994	AC102994 Rattus no	C1215	31.8	3.6	124876	9	AC004167	AC004167 Homo sapi
1143	32	3.6	256900	2	AC104216	AC104216 Mus muscu	C1216	31.8	3.6	135105	8	CNS08CAB	CNS08CAB Homo sapi
1144	32	3.6	260027	2	AE003659	AE003659 Drosophila	1217	31.8	3.6	138141	9	AC087653	AC087653 Homo sapi
C1145	32	3.6	263701	2	AC094442	AC094442 Rattus no	1218	31.8	3.6	144048	9	AC013762	AC013762 Homo sapi
1146	32	3.6	265103	2	AC129636	AC129636 Rattus no	1219	31.8	3.6	144734	2	AC148922	AC148922 Dasyptis n
C1147	32	3.6	279105	2	AL732444	AL732444 Homo sapi	1220	31.8	3.6	148989	2	BX572635	BX572635 Dario rer
1148	32	3.6	281857	2	AC114109	AC114109 Rattus no	1221	31.8	3.6	150645	10	AC131774	AC131774 Mus muscu
C1149	32	3.6	288323	2	AC140887	AC140887 Homo sapi	1222	31.8	3.6	151242	2	AC144589	AC144589 Homo sapi
C1150	32	3.6	291136	1	AP002556	AP002556 Escherich	1223	31.8	3.6	151910	2	AC138355	AC138355 Mus muscu
C1151	32	3.6	297050	1	AP006569	AP006569 Gloebact	1224	31.8	3.6	152015	2	AC130795	AC130795 Fells cat
C1152	32	3.6	299350	1	AP005370	AP005370 Thermocoz	C1225	31.8	3.6	152015	2	AC130795	AC130795 Fells cat
C1153	32	3.6	300900	1	AP005939	AP005939 Brdylrhyt	1226	31.8	3.6	152177	10	AL672064	AL672064 Mouse DNA
C1154	32	3.6	326336	2	AC046137	AC046137 Homo sapi	1227	31.8	3.6	156426	9	AC078906	AC078906 Homo sapi
C1155	32	3.6	340000	9	HS21C101	HS21C101 Homo sapi	C1228	31.8	3.6	156441	9	AC091869	AC091869 Homo sapi
1156	32	3.6	349498	1	AP003002	AP003002 Mesorhizo	1229	31.8	3.6	157272	2	AC133914	AC133914 Mus muscu
1157	31.8	3.6	275	6	AX896277	AX896277 Sequence	1230	31.8	3.6	158091	2	AC140171	AC140171 Homo sapi
1158	31.8	3.6	275	6	BD031810	BD031810 Sequence	1231	31.8	3.6	158276	2	AC012033	AC012033 Homo sapi
1159	31.8	3.6	472	11	G28372	G28372 human SRS S	C1232	31.8	3.6	158328	2	AC130197	AC130197 Fells cat
1160	31.8	3.6	507	11	BV132018	BV132018 PZAN0509	1233	31.8	3.6	160401	9	AC009277	AC009277 Homo sapi
1161	31.8	3.6	520	6	AX658738	AX658738 Sequence	1234	31.8	3.6	160525	2	AC027074	AC027074 Homo sapi
C1162	31.8	3.6	568	5	AX387595	AX387595 Sequence	C1235	31.8	3.6	164252	3	AC104288	AC104288 Drosophila
1163	31.8	3.6	846	5	BX932038	BX932038 Gallus ga	1236	31.8	3.6	164396	2	HSAC000380	HSAC000380 Homo sapi
C1164	31.8	3.6	1020	6	AX211275	AX211275 Sequence	C1237	31.8	3.6	166664	9	AL441992	AL441992 Human DNA
1165	31.8	3.6	1032	6	EO3394	EO3394 DNA encodin	1238	31.8	3.6	166885	9	AC091873	AC091873 Homo sapi
C1166	31.8	3.6	1256	6	CO715176	CO715176 Sequence	1239	31.8	3.6	168887	9	AL662833	AL662833 Human DNA
C1167	31.8	3.6	1292	6	E44184	E44184 N-Acetylglu	C1240	31.8	3.6	174040	2	AC073950	AC073950 Homo sapi
C1168	31.8	3.6	1292	6	AF141315	AF141315 Homo sapi	1241	31.8	3.6	174073	2	AC116828	AC116828 Mus muscu
1169	31.8	3.6	1572	1	MYNAPB	MYNAPB Mycoplana r	C1242	31.8	3.6	175603	10	AC115301	AC115301 Mus muscu
C1170	31.8	3.6	1694	8	AY312576	AY312576 Larrea tr	C1243	31.8	3.6	177391	2	AC105162	AC105162 Mus muscu
C1171	31.8	3.6	1724	8	AY312575	AY312575 Larrea tr	1244	31.8	3.6	178099	2	CR392352	CR392352 Dario rer
C1172	31.8	3.6	2015	6	AX398994	AX398994 Sequence	C1245	31.8	3.6	178560	10	AC134839	AC134839 Mus muscu
C1173	31.8	3.6	2015	6	AX774825	AX774825 Sequence	1246	31.8	3.6	178995	10	AL672052	AL672052 Mouse DNA
C1174	31.8	3.6	2015	6	AX781549	AX781549 Sequence	C1247	31.8	3.6	179223	2	AC141463	AC141463 Homo sapi
C1175	31.8	3.6	2015	6	AX960774	AX960774 Sequence	1248	31.8	3.6	179745	10	AC135377	AC135377 Mus muscu
C1176	31.8	3.6	2015	6	HUMTAXREBA	HUMTAXREBA Homo saplen	1249	31.8	3.6	179816	2	AC074188	AC074188 Homo sapi
1177	31.8	3.6	2490	6	AX833076	AX833076 Sequence	1250	31.8	3.6	180526	2	AC145446	AC145446 Fells cat
C1178	31.8	3.6	2490	9	AK094505	AK094505 Homo sapi	1251	31.8	3.6	181169	2	AC115583	AC115583 Papio anu
C1179	31.8	3.6	10672	1	AE004979	AE004979 Halobacte	C1252	31.8	3.6	182105	2	AC009136	AC009136 Homo sapi
1180	31.8	3.6	11251	1	AE005560	AE005560 Escherich	C1253	31.8	3.6	182572	2	AC002738	AC002738 Homo sapi
C1181	31.8	3.6	12217	1	AE004520	AE004520 Pseudomon	1254	31.8	3.6	182726	2	AC084436	AC084436 Homo sapi
1182	31.8	3.6	13654	1	AE005754	AE005754 Caulobact	C1255	31.8	3.6	185162	9	AC140132	AC140132 Homo sapi
C1183	31.8	3.6	16234	1	AE001060	AE001060 Archaeogl	C1256	31.8	3.6	185936	2	AC139837	AC139837 Homo sapi
C1184	31.8	3.6	18586	2	AC0019879	AC0019879 Drosophila	1257	31.8	3.6	186625	2	AC145540	AC145540 Oryctolag
C1185	31.8	3.6	25100	3	DMC130E7	DMC130E7 Drosophila	1258	31.8	3.6	189086	2	BX950864	BX950864 Dario rer
1186	31.8	3.6	36210	9	AY323826	AY323826 Homo sapi	C1259	31.8	3.6	191690	2	AC136907	AC136907 Rattus no
C1187	31.8	3.6	43744	9	AC006048	AC006048 Homo sapi	1260	31.8	3.6	194384	2	AC123958	AC123958 Rattus no

1261	31.8	3.6	195967	2	AC108589	Rattus no	1334	31.6	3.6	8173	14	AY593838	AY593838 Foot-and-
c1262	31.8	3.6	197785	9	AC016057	Homo sapi	1335	31.6	3.6	10245	1	AE004569	AE004569 Pseudomon
1263	31.8	3.6	203304	10	AC126258	Mus muscu	c1336	31.6	3.6	12087	3	CEUNC15	X08690 Caenorhabdt
c1264	31.8	3.6	204298	2	AL662844	Human DNA	c1337	31.6	3.6	12083	9	HSFSPFS	X08692 Human c-fes
c1265	31.8	3.6	204644	2	AC065588	Homo sapi	c1338	31.6	3.6	15297	6	ARI83252	ARI83262 Sequence
c1266	31.8	3.6	205990	2	AC114161	Rattus no	c1339	31.6	3.6	15297	6	ARI83252	ARI83262 Sequence
c1267	31.8	3.6	210301	9	AF073337	Homo sapi	c1340	31.6	3.6	20000	9	AP001109	AP001109 Homo sapi
c1268	31.8	3.6	224215	2	AC114068	Rattus no	c1341	31.6	3.6	20000	9	AP001109	AP001109 Homo sapi
c1269	31.8	3.6	228996	2	AC109757	Rattus no	c1342	31.6	3.6	32632	3	CEP0745	C0588554 Sequence
c1270	31.8	3.6	228893	2	AC111848	Rattus no	1343	31.6	3.6	32632	3	CEP0745	C0588554 Sequence
c1271	31.8	3.6	230675	10	AC144768	Mus muscu	c1344	31.6	3.6	33550	6	AC003004	AC003004 Homo Chr
1272	31.8	3.6	231141	2	AC111368	Rattus no	c1345	31.6	3.6	34551	6	AX647685	AX647685 Sequence
1273	31.8	3.6	231991	2	AC129392	Rattus no	c1346	31.6	3.6	35855	9	AC011552	AC011552 Homo sapi
1274	31.8	3.6	232618	2	AC134996	Rattus no	c1347	31.6	3.6	36814	3	AC006127	AC006127 Homo sapi
1275	31.8	3.6	233618	2	AC129938	Rattus no	1348	31.6	3.6	43455	3	AF036706	AF036706 Caenorhab
c1276	31.8	3.6	233772	2	AC129938	Rattus no	c1349	31.6	3.6	48634	3	HS197KX3	AL035465 Human DNA
c1277	31.8	3.6	236687	2	AC115403	Rattus no	1349	31.6	3.6	49413	2	AC140017	AC140017 Homo sapi
c1278	31.8	3.6	236822	2	AC140151	Homo sapi	c1350	31.6	3.6	52339	2	AC010772	AC010772 Homo sapi
1279	31.8	3.6	236969	10	AC093467	Mus muscu	1351	31.6	3.6	53370	9	AL592071	AL592071 Homo sapi
1280	31.8	3.6	243777	2	AC131226	Rattus no	1352	31.6	3.6	54419	2	AC015298	AC015298 Drosophill
1281	31.8	3.6	247502	2	AC150312	Mus muscu	c1353	31.6	3.6	55237	8	CNS08CBG	AL928743 Oryza sat
1282	31.8	3.6	248214	2	AL138811	Homo sapi	c1354	31.6	3.6	58996	1	AB034704	AB034704 Rubriviva
1283	31.8	3.6	250519	2	AC094894	Rattus no	1355	31.6	3.6	66867	2	AC073170	AC073170 Homo sapi
c1284	31.8	3.6	251141	2	AC116235	Rattus no	c1356	31.6	3.6	72690	2	AC140527_3	AC140527_3
1285	31.8	3.6	252520	2	AC131432	Rattus no	c1357	31.6	3.6	74216	1	AP210249	AP210249
c1286	31.8	3.6	253991	2	AC128867	Rattus no	c1358	31.6	3.6	77457	2	AC138874	AC138874 Homo sapi
c1287	31.8	3.6	263623	2	AC128867	Rattus no	c1359	31.6	3.6	80327	2	AC135619	AC135619
c1288	31.8	3.6	263855	2	AC127797	Rattus no	c1360	31.6	3.6	82183	9	HSJ1037B9	HSJ1037B9
1289	31.8	3.6	267884	1	AP002565	Rattus no	1361	31.6	3.6	86748	9	AC068717	AC068717 Homo sapi
c1290	31.8	3.6	269564	2	AC098068	Rattus no	1362	31.6	3.6	89659	2	AC130664_3	AC130664_3
c1291	31.8	3.6	273807	2	AC025421	Rattus no	c1363	31.6	3.6	96589	6	AX695671	AX695671 Sequence
c1292	31.8	3.6	290885	2	AC128572	Homo sapi	c1364	31.6	3.6	97839	2	AC141520	AC141520
c1293	31.8	3.6	301675	1	AP005027	Rattus no	c1365	31.6	3.6	99304	9	AC106825	AC106825
c1294	31.8	3.6	301925	1	AP005046	Streptomy	c1366	31.6	3.6	99576	5	BX005410	BX005410 Homo sapi
c1295	31.8	3.6	308311	3	AE003420	Drosophill	c1367	31.6	3.6	102910	9	AF254822	AF254822 Homo sapi
c1296	31.8	3.6	330608	2	AC109561	Rattus no	1368	31.6	3.6	105360	9	AC093218	AC093218 Homo sapi
1297	31.8	3.6	340000	2	AP001716	Homo sapi	c1369	31.6	3.6	108621	8	CNS026736	CNS026736
c1298	31.6	3.6	340000	2	AP001716	Homo sapi	1370	31.6	3.6	109222	8	CNS08C91	AL732378 Oryza sat
1299	31.6	3.6	364	6	AR425705	Homo sapi	1371	31.6	3.6	109529	2	AP003870	AP003870 Oryza sat
1300	31.6	3.6	364	6	AX986399	Sequence	1372	31.6	3.6	110000	8	CR382127_04	CR382127_04
1301	31.6	3.6	364	6	BD121258	Sequence	1373	31.6	3.6	110000	8	CR382127_05	CR382127_05
1302	31.6	3.6	474	6	CO441019	Sequence	c1374	31.6	3.6	117320	9	AL591896	AL591896 Human DNA
1303	31.6	3.6	559	6	AX658764	Sequence	c1375	31.6	3.6	119050	9	AC127024	AC127024
c1304	31.6	3.6	559	6	AX658764	Sequence	1376	31.6	3.6	124605	8	CNS07YFW	CNS07YFW
c1305	31.6	3.6	666	12	AY657499	Synthetic	1377	31.6	3.6	128059	4	AY866594	AY866594
1306	31.6	3.6	941	6	CO716119	Sequence	c1378	31.6	3.6	129770	9	AC104584	AC104584
c1307	31.6	3.6	1092	5	BC073043	Sequence	c1379	31.6	3.6	130297	9	AC107425	AC107425
1308	31.6	3.6	1115	3	AY344830	Xenopus 1	c1380	31.6	3.6	133689	8	AP005483	AP005483
1309	31.6	3.6	1341	6	A96172	Anopheles	1381	31.6	3.6	133689	8	AP005483	AP005483
1310	31.6	3.6	1390	5	BC054288	Xenopus 20	c1382	31.6	3.6	135310	10	AL772165	AL772165
1311	31.6	3.6	1429	5	BC078059	Xenopus 1	c1383	31.6	3.6	135317	9	HSBJ41217	HSBJ41217
c1312	31.6	3.6	1860	8	AF082869	Chlamydom	c1384	31.6	3.6	135513	9	AC008454	AC008454
c1313	31.6	3.6	1873	3	AY122624	Sequence	c1385	31.6	3.6	135956	2	AC137338	AC137338
c1314	31.6	3.6	1874	6	BD223746	Dinastige	1386	31.6	3.6	138929	2	AC147945	AC147945
c1315	31.6	3.6	1874	6	AR428562	Sequence	c1387	31.6	3.6	139446	4	AY86697	AY86697
1316	31.6	3.6	1945	10	RRINT5G	X54419 R. rattus ge	c1388	31.6	3.6	143291	9	AL137792	AL137792
1317	31.6	3.6	2424	10	BC031923	Mus muscu	c1389	31.6	3.6	143557	2	AC011442	AC011442
1318	31.6	3.6	2991	6	BD139961	Secreted	c1390	31.6	3.6	146150	9	AC021298	AC021298
1319	31.6	3.6	3335	10	RATP130CAS	D29766 Rattus novy	c1391	31.6	3.6	147289	8	AC119072	AC119072
1320	31.6	3.6	3462	6	BD127415	Sequence	1392	31.6	3.6	149367	8	AP004586	AP004586
1321	31.6	3.6	3462	6	BD127415	Sequence	c1393	31.6	3.6	151009	2	AC135784	AC135784
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1323	31.6	3.6	3486	9	BC008843	Homo sapi	1395	31.6	3.6	152086	2	AP004653	AP004653
1324	31.6	3.6	3487	6	CO783742	Sequence	c1396	31.6	3.6	152462	2	AC016668	AC016668
1325	31.6	3.6	3487	6	BD127809	Primer fo	c1397	31.6	3.6	152886	2	AL513318	AL513318
1326	31.6	3.6	3487	6	AK074912	Homo sapi	1398	31.6	3.6	153929	2	AC137280	AC137280
1327	31.6	3.6	3499	9	BC039854	Homo sapi	1399	31.6	3.6	153929	2	AC137280	AC137280
c1328	31.6	3.6	3843	6	AX833567	Sequence	c1400	31.6	3.6	153520	2	AC130324	AC130324
c1329	31.6	3.6	3843	6	AX833567	Sequence	1401	31.6	3.6	155092	2	AC0025774	AC0025774
1330	31.6	3.6	3843	6	AX833567	Sequence	c1402	31.6	3.6	155689	2	AC004586	AC004586
1331	31.6	3.6	4533	6	AR106656	Homo sapi	c1403	31.6	3.6	158216	9	AC092351	AC092351
1332	31.6	3.6	4533	10	RATPDCY3	M55075 R. norvegicu	c1404	31.6	3.6	158216	9	AC005885	AC005885
1333	31.6	3.6	6949	6	AB007915	Homo sapi	1405	31.6	3.6	159978	2	AC139479	AC139479
			7395	6	CQ588555	Sequence	1406	31.6	3.6	159978	2	AC139479	AC139479
												AC128945	AC128945 Rattus no

c1407	31.6	3.6	162477	10	AL619457	AL619457	Mouse	DNA
c1408	31.6	3.6	164168	9	AL135927	AL135927	Human	DNA
c1409	31.6	3.6	164179	9	AC0071227	AC0071227	Homo sapi	
c1410	31.6	3.6	165551	2	AC106841	AC106841	Mus muscu	
c1411	31.6	3.6	165949	2	AC099705	AC099705	Mus muscu	
c1412	31.6	3.6	166051	2	AC119213	AC119213	Mus muscu	
c1413	31.6	3.6	166390	2	AC139477	AC139477	Homo sapi	
c1414	31.6	3.6	167075	2	AC138885	AC138885	Homo sapi	
c1415	31.6	3.6	167969	2	AC139474	AC139474	Homo sapi	
c1416	31.6	3.6	168031	2	AC068430	AC068430	Homo sapi	
c1417	31.6	3.6	168105	2	AC093815	AC093815	Homo sapi	
c1418	31.6	3.6	168298	2	AC140827	AC140827	Homo sapi	
c1419	31.6	3.6	168910	5	CMS095BV	CMS095BV	Tetradodon	
c1420	31.6	3.6	169079	2	AC140018	AC140018	Homo sapi	
c1421	31.6	3.6	169276	2	AC140818	AC140818	Homo sapi	
c1422	31.6	3.6	169371	2	AC138902	AC138902	Homo sapi	
c1423	31.6	3.6	169946	2	AC140891	AC140891	Homo sapi	
c1424	31.6	3.6	170380	9	AC138965	AC138965	Homo sapi	
c1425	31.6	3.6	170870	10	AC142270	AC142270	Mus muscu	
c1426	31.6	3.6	171006	10	AC109805	AC109805	Mus muscu	
c1427	31.6	3.6	171565	2	AC007811	AC007811	Drosophil	
c1428	31.6	3.6	171655	3	AC067919	AC067919	Homo sapi	
c1429	31.6	3.6	172868	9	AC009117	AC009117	Homo sapi	
c1430	31.6	3.6	174440	2	AC140010	AC140010	Homo sapi	
c1431	31.6	3.6	174600	2	AC139471	AC139471	Homo sapi	
c1432	31.6	3.6	175548	2	AC140130	AC140130	Homo sapi	
c1433	31.6	3.6	176500	2	AC102282	AC102282	Mus muscu	
c1434	31.6	3.6	176994	2	AC140169	AC140169	Homo sapi	
c1435	31.6	3.6	178035	2	AC068680	AC068680	Homo sapi	
c1436	31.6	3.6	179639	2	AC117743	AC117743	Mus muscu	
c1437	31.6	3.6	179652	2	AC149616	AC149616	Papio anu	
c1438	31.6	3.6	179711	2	AC019312	AC019312	Homo sapi	
c1439	31.6	3.6	179937	9	CMS057CV	CMS057CV	Human chr	
c1440	31.6	3.6	180195	2	AC027089	AC027089	Homo sapi	
c1441	31.6	3.6	180537	2	AC023266	AC023266	Homo sapi	
c1442	31.6	3.6	180725	2	AC119511	AC119511	Rattus no	
c1443	31.6	3.6	181277	2	AC139478	AC139478	Homo sapi	
c1444	31.6	3.6	182187	2	AC109374	AC109374	Rattus no	
c1445	31.6	3.6	182635	2	AC137713	AC137713	Mus muscu	
c1446	31.6	3.6	183088	9	AC007600	AC007600	Homo sapi	
c1447	31.6	3.6	183190	2	AC139270	AC139270	Homo sapi	
c1448	31.6	3.6	183591	2	AC135777	AC135777	Homo sapi	
c1449	31.6	3.6	184871	2	CS376788	CS376788	Danio rer	
c1450	31.6	3.6	184879	2	AC139470	AC139470	Homo sapi	
c1451	31.6	3.6	185909	2	AC139468	AC139468	Homo sapi	
c1452	31.6	3.6	189108	2	AC138884	AC138884	Homo sapi	
c1453	31.6	3.6	189771	2	AC112821	AC112821	Homo sapi	
c1454	31.6	3.6	191672	2	AC020794	AC020794	Mus muscu	
c1455	31.6	3.6	192255	10	AC023285	AC023285	Mus muscu	
c1456	31.6	3.6	193023	2	AC136600	AC136600	Homo sapi	
c1457	31.6	3.6	193023	2	AC140131	AC140131	Homo sapi	
c1458	31.6	3.6	193580	2	AC117284	AC117284	Rattus no	
c1459	31.6	3.6	194198	2	AC013298	AC013298	Homo sapi	
c1460	31.6	3.6	194632	2	AC096996	AC096996	Homo sapi	
c1461	31.6	3.6	196355	2	AC099557	AC099557	Homo sapi	
c1462	31.6	3.6	197909	2	AC150627	AC150627	Papio anu	
c1463	31.6	3.6	198784	2	AC021318	AC021318	Homo sapi	
c1464	31.6	3.6	199378	2	AC108256	AC108256	Rattus no	
c1465	31.6	3.6	200493	2	AC132506	AC132506	Rattus no	
c1466	31.6	3.6	200822	2	AC079298	AC079298	Homo sapi	
c1467	31.6	3.6	200902	2	AC140128	AC140128	Homo sapi	
c1468	31.6	3.6	201451	2	AC013831	AC013831	Drosophil	
c1469	31.6	3.6	202454	10	AC119865	AC119865	Mus muscu	
c1470	31.6	3.6	204843	10	AC139029	AC139029	Mus muscu	
c1471	31.6	3.6	206587	10	AC091682	AC091682	Mus muscu	
c1472	31.6	3.6	207283	9	AC092377	AC092377	Homo sapi	
c1473	31.6	3.6	208322	2	AC121207	AC121207	Rattus no	
c1474	31.6	3.6	209314	2	AC102039	AC102039	Mus muscu	
c1475	31.6	3.6	210688	2	AC137498	AC137498	Homo sapi	
c1476	31.6	3.6	211198	2	AC136821	AC136821	Rattus no	
c1477	31.6	3.6	212841	3	AE003719	AE003719	Drosophil	
c1478	31.6	3.6	213370	10	AL450406	AL450406	Mouse DNA	
c1479	31.6	3.6	213684	10	EX470195	EX470195	Mouse DNA	

Cl480	31.6	3.6	215601	2	AC139779	AC139779	Homo sapi
1481	31.6	3.6	215740	2	AC131069	AC131069	Mus muscu
Cl482	31.6	3.6	218891	2	AC094543	AC094543	Rattus no
1483	31.6	3.6	219218	2	AC020817	AC020817	Mus muscu
Cl484	31.6	3.6	219478	2	AC113005	AC113005	Mus muscu
Cl485	31.6	3.6	223186	2	AC120362	AC120362	Mus muscu
Cl486	31.6	3.6	222378	2	AC015862	AC015862	Homo sapi
1487	31.6	3.6	222585	2	AC095458	AC095458	Rattus no
Cl488	31.6	3.6	221520	2	AC123322	AC123322	Rattus no
Cl489	31.6	3.6	226128	2	AC136487	AC136487	Rattus no
Cl490	31.6	3.6	226885	2	AC141594	AC141594	Homo sapi
1491	31.6	3.6	227615	2	AC113658	AC113658	Mus muscu
Cl492	31.6	3.6	228005	2	AC098004	AC098004	Rattus no
1493	31.6	3.6	228658	2	AC127931	AC127931	Rattus no
Cl494	31.6	3.6	231234	2	AC134014	AC134014	Rattus no
Cl495	31.6	3.6	231629	2	AC115395	AC115395	Rattus no
Cl496	31.6	3.6	234746	2	AC139831	AC139831	Homo sapi
1497	31.6	3.6	234768	2	AC119436	AC119436	Rattus no
1498	31.6	3.6	234859	2	AC128112	AC128112	Rattus no
1499	31.6	3.6	235343	2	AC121745	AC121745	Rattus no
Cl500	31.6	3.6	237476	2	AC140322	AC140322	Mus muscu

ALIGNMENTS

RESULT 1	AX358978	890 bp	DNA	linear	PAT 13-FEB-2002
LOCUS	AX358978				
DEFINITION	Sequence 231 from Patent WO0193983.				
ACCESSION	AX358978				
VERSION	AX358978.1				
KEYWORDS					
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				
	Mammalia; Eutheria; Primates; Carnivora; Homnidae; Homo.				
REFERENCE	1 Baker,K.P., Desnoyers,L., Gerritsen,M.E., Goddard,A.,				
AUTHORS	Godowski,P.J., Grimaldi,J.C., Gunney,A.L., Smith,V., Stephan,J.P.,				
	Watanabe,C.K. and Wood,W.I.				
TITLE	Secreted and transmembrane polypeptides and nucleic acids encoding				
	the same				
JOURNAL	Patent: WO 0193983-A 231 13-DEC-2001;				
	Genentech Inc. (US)				
FEATURES	location/Qualifiers				
Source	1..890				
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	/mol_type="unassigned DNA"				
	/db_xref="taxon:9606"				
ORIGIN					
Query Match	100.0%;	Score 890;	DB 6;	Length 890;	
Best Local Similarity	100.0%;	Pred. No.3.3e-242;			
Matches 890;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;	

QY	1	AAGTACTGTGTCGGGGTGGAGACTGATTAGTCGCGAGCCCTGGAAAGTTCGCTGCC	60
Db	1	AAGTACTGTGTCGGGGTGGAGACTGATTAGTCGCGAGCCCTGGAAAGTTCGCTGCC	60
QY	61	TTCTCCCTGTGCTTAACGACAGAGTCCCATGGATTGGCAATGAGGCTGTACAGCAGC	120
Db	61	TTCTCCCTGTGCTTAACGACAGAGTCCCATGGATTGGCAATGAGGCTGTACAGCAGC	120
QY	121	ACTGTTACTGGGCTCTCATGATGCTGTGTCATCTGGAGACGAGGATGAAACAGCCCGTGTGC	180
Db	121	ACTGTTACTGGGCTCTCATGATGCTGTGTCATCTGGAGACGAGGATGAAACAGCCCGTGTGC	180
QY	181	CCATGAGGACCTCTTGGACGAGACACCCCTTTTGGCCAGGACCTTGAAGTTTCTACCC	240
Db	181	CCATGAGGACCTCTTGGACGAGACACCCCTTTTGGCCAGGACCTTGAAGTTTCTACCC	240
QY	241	AGAGTTGGGGAACATTGGCTGCAAGGTTGTTCTCGATTGTTAACAATAACAGACGAAGAT	300

Dp	241	ACAGTTGGGGACATTGGCTGCAGAGTTGTTCTGATTGTACAACTTACGACGAAAGAT	300
Qy	301	CACCTTCCTGGATGGAAGCCGATAGTCAAGTTCCCGGGGGCCGTGACGGCGCAACTATAT	360
Dp	301	CACCTTCCTGGATGGAAGCCGATAGTCAAGTTCCCGGGGGCCGTGACGGCGCAACTATAT	360
Qy	361	CCGTGGATGATGGAATCCAGATAGCCCCCTTACGAGACGAAACCCGACAGAGATTCTGGAG	420
Dp	361	CCTGGATGATGGAATCCAGATAGCCCCCTTACGAGACGAAACCCGACAGAGATTCTGGAG	420
Qy	421	ACATTGGCTGTGATACAGATATCAAGGGCGCCGACTTGAAGAAAAGGAAGATTCAAGGCGCA	480
Dp	421	ACATTGGCTGTGATACAGATATCAAGGGCGCCGACTTGAAGAAAAGGAAGATTCAAGGCGCA	480
Qy	481	GGAGTTATCAGGCTCCACAGGCTCCCTCCGACCGGACACAGTGGTTCCATGCTGATACCA	540
Dp	481	GGAGTTATCAGGCTCCACAGGCTCCCTCCGACCGGACACAGTGGTTCCATGCTGATACCA	540
Qy	541	GTTCTTTTGTCTATCTTTCAGAGAGAAAAGTCAATCTCTCTCTTCCCAAGAAAACAAAAC	600
Dp	541	GTTCTTTTGTCTATCTTTCAGAGAGAAAAGTCAATCTCTCTCTTCCCAAGAAAACAAAAC	600
Qy	601	TCGAGGCTCTTGGAAAATGGAAGAATTTCTGAACCGGCTTCCACCTGGGGGAAACTGTAAC	660
Dp	601	TCGAGGCTCTTGGAAAATGGAAGAATTTCTGAACCGGCTTCCACCTGGGGGAAACTGTAAC	660
Qy	661	AAGCACCCAGTTCATGACCCAGAACTACCAAGACTTACCAACCCCTTCAGGCTCCAGAG	720
Dp	661	AAGCACCCAGTTCATGACCCAGAACTACCAAGACTTACCAACCCCTTCAGGCTCCAGAG	720
Qy	721	AAGGCGCAGCAGGCCCAAGCAATAAACCGAGCAGAGTAGTGCCTGCTAGATAGCCGGC	780
Dp	721	AAGGCGCAGCAGGCCCAAGCAATAAACCGAGCAGAGTAGTGCCTGCTAGATAGCCGGC	780
Qy	781	TTTGGCATCCGGGCGATGTGGCCACACTGCTCAACCAAGATGTGGATATGAAACCCCG	840
Dp	781	TTTGGCATCCGGGCGATGTGGCCACACTGCTCAACCAAGATGTGGATATGAAACCCCG	840
Qy	841	TCTGGATACAGAACCCCTTCTTTTCCAAATTAAAAAAAATCATCAAA	890
Dp	841	TCTGGATACAGAACCCCTTCTTTTCCAAATTAAAAAAAATCATCAAA	890

RESULT 2	AX362471	890 bp	DNA	1 linear	PAT 15-FEB-2002
LOCUS	AX362471				
DEFINITION	Sequence 231 from Patent WO02082828.				

SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens

Eukaryota; Metazoa; Chordata; Vertebrata; Eutele
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo

TITLE	Author
Secreted and transmembrane polypeptides and nucleic acids encoding	Matanabe, C.K. and Wood, W.I.

JOURNAL
Patent: WO 0208288-A 231 31-JAN-2002;

FEATURES	Location/Qualifiers
Source	1 890

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/db_xref="taxon:9606"
ORIGIN

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Query Match	100.0%	Score 890;	DB 6;	Length 890;
Best Local	100.0%;	Pred. No. 3,352,42;		
Matches 890;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

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Db	1	AAGTACTGTGTGTCGGGGTGTGTGACTGTGATTAGCTGGGAGCCCTTGGAAAGCTGCTGTCC	60
QY	61	TTCTCCCTGTGTCTTAACCAAGAGTGTCCCATGGTGTGCAAAATGAAGCGTGTCAACAGAC	120
Db	61	TTCTCCCTGTGTCTTAACCAAGAGTGTCCCATGGTGTGCAAAATGAAGCGTGTCAACAGAC	120
QY	121	ACTGTTAATGGGTCCTCATGATGTGTGTCACTGGAGACAGATGAGAAACAGCCGTGTGC	180
Db	121	ACTGTTAATGGGTCCTCATGATGTGTGTCACTGGAGACAGATGAGAAACAGCCGTGTGC	180
QY	181	CCATGAGGCCCTCTTGGACGAGAGACACCCTCTTTTGGCCAGGGCCCTTGAAGTTTCTACCC	240
Db	181	CCATGAGGCCCTCTTGGACGAGAGACACCCTCTTTTGGCCAGGGCCCTTGAAGTTTCTACCC	240
QY	241	AGAGTTGGGGAAACATTGGCTGCAAGTTGTCTGTATTGTAAACAATAACAGACAGAAAT	300
Db	241	AGAGTTGGGGAAACATTGGCTGCAAGTTGTCTGTATTGTAAACAATAACAGACAGAAAT	300
QY	301	CACCTCCCTGGATGGAGCCGATAGTCAAGTTCCCGGGGGCCGTGACCGGCGCAACTAAT	360
Db	301	CACCTCCCTGGATGGAGCCGATAGTCAAGTTCCCGGGGGCCGTGACCGGCGCAACTAAT	360
QY	361	CCTGGTGAATGGTGAATCCAGATGCCCTTACGACAGACAGAACCCAGACAGAAATTCGGAG	420
Db	361	CCTGGTGAATGGTGAATCCAGATGCCCTTACGACAGACAGAACCCAGACAGAAATTCGGAG	420
QY	421	ACATTGGCTGTAAACAATATCAAGGGGCGCGACCTGAAGAAAGGAAAGATTCAAGGCGCA	480
Db	421	ACATTGGCTGTAAACAATATCAAGGGGCGCGACCTGAAGAAAGGAAAGATTCAAGGCGCA	480
QY	481	GGAGTTATCAGCTCAACAGAGCTCCCTCCCAACGAGACACAGTGGCTTCCATCGCTACCA	540
Db	481	GGAGTTATCAGCTCAACAGAGCTCCCTCCCAACGAGACACAGTGGCTTCCATCGCTACCA	540
QY	541	GTTCTTTGTCTAATCTTCAAGAAAGAAAGTCATCTTCTCTTCCCAAGAAACAAAC	600
Db	541	GTTCTTTGTCTAATCTTCAAGAAAGAAAGTCATCTTCTCTTCCCAAGAAACAAAC	600
QY	601	TCGAGGCTCTTGGAAAAATGACAGATTCTGAAACGGCTTCCACCTGGGCGAAACCTGAAGC	660
Db	601	TCGAGGCTCTTGGAAAAATGACAGATTCTGAAACGGCTTCCACCTGGGCGAAACCTGAAGC	660
QY	661	AAGCAACCAAGTTCAAGACCCAGAACTACACAGACTCAACCAACCTCCAGGCTCCCAAGG	720
Db	661	AAGCAACCAAGTTCAAGACCCAGAACTACACAGACTCAACCAACCTCCAGGCTCCCAAGG	720
QY	721	AAGGGCCAGGAGGCCCAAGACAAACACAGCGAAGATAGTGGCTGTGTAATAGCGGC	780
Db	721	AAGGGCCAGGAGGCCCAAGACAAACACAGCGAAGATAGTGGCTGTGTAATAGCGGC	780
QY	781	TTTTCGATCCGGGATGTGGCAACCTGTCTCAACACGCTCAACCGAGCAATGGGTATGAAACCCC	840
Db	781	TTTTCGATCCGGGATGTGGCAACCTGTCTCAACACGCTCAACCGAGCAATGGGTATGAAACCCC	840
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LOCUS	DEFINITION	SEQUENCE	ACCESSION	VERSION	FEATURES	ORIGIN	COMMENTS
LOCUS	AX454720	890 bp	DNA	linear	PAT 08-JUL-2002		
DEFINITION	Sequence 305 from Patent WO0208284.						
SEQUENCE	AX454720						
ACCESSION	AX454720.1	GI:21713984					
VERSION							
FEATURES							
ORIGIN							
COMMENTS							

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Bukaryota; Metazoa; Chordata; Buteloseostomi; Craniata; Vertebrata; Buteloseostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE	AUTHORS	TITLE	JOURNAL
Baker, K.P., Ferrara, N., Gerber, H., Gerritsen, M.E., Goddard, A., Godowski, P.J., Gurney, A.L., Hillan, K.J., Marsters, S.A., Pan, J., Paoni, N.F., Stephan, J.P., Watanabe, C.K., Williams, P.M., Wood, W.I. and Ye, W.		Compositions and methods for the diagnosis and treatment of disorders involving angiotensin	Patent: WO 0208284-A 305 31-JUN-2002;
		Genentech, Inc. (US) ; Baker, Kevin P. (US) ; Ferrara, Napoleone (US) ; Gerber, Hanspeter (US) ; Gerritsen, Mary E. (US) ; Goddard, Audrey (US) ; Godowski, Paul J. (US) ; Gurney, Austin L. (US) ; Hillan, Kenneth J. (US) ; Marsters, Scot A. (US) ; Pan, James (US) ; Paoni, Nicholas F. (US) ; Stephan, Jean-Philippe F. (US) ; Watanabe, Colin K. (US) ; Williams, P. Mickey (US) ; Wood, William I. (US)	
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DEFINITION	AX491198		
ACCESSION	AX491198		
VERSION	AX491198.1	GI:22323936	
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SOURCE			
ORGANISM		Homo sapiens (human)	
REFERENCE		Homo sapiens	
AUTHORS		Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.	
		Baker,K.P., Ferrara,N., Gerber,H., Gerritsen,M.E., Goddard,A., Godowski,P.D., Gurney,A.L., Hillan,K.J., Martens,S.A., Pan,J., Paoni,N.F., Stephan,J.P., Watanabe,C.K., Williams,P.M., Wood,W.I. and Ye,W.	
TITLE		Compositions and methods for the diagnosis and treatment of disorders involving angiogenesis	
JOURNAL		Patent: WO 020690-A 305 03-UN-2002;	
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DEFINITION Homo sapiens clone DNA92274 GWTM1933 (UNQ1933) mRNA, complete cds.
ACCESSION AY359109
VERSION AY359109.1 GI:37183334
KEYWORDS FLI CDNA.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
AUTHORS Clark,H.F., Gurney,A.L., Abaya,E., Baker,K., Baldwin,D., Brush,J.,
Chen,J., Chow,B., Chui,C., Crowley,C., Currell,B., Deuel,B.,
Dowd,P., Eaton,D., Foster,J., Grimaldi,C., Gu,Q., Haas,P.E.,
Heldens,S., Huang,A., Kim,H.S., Klimowski,L., Jin,Y., Johnson,S.,
Lee,J., Lewis,L., Liao,D., Mark,M., Robble,E., Sanchez,C.,
Schoenfeld,J., Seshagiri,S., Simmons,L., Singh,J., Smith,V.,
Stinson,J., Vagstad,A., Vandlen,R., Matanabe,C., Weiland,D., Woods,K.,
Xie,M.H., Yanesura,D., Yi,S., Yu,G., Yuan,J., Zhang,M., Zhang,Z.,
Goddard,A., Wood,W.I. and Godowski,P.

TITLE
The Secreted Protein Discovery Initiative (SPDI), a Large-Scale
Effort to Identify Novel Human Secreted and Transmembrane Proteins:
A Bioinformatics Assessment

JOURNAL
PUBMED 12975309
REFERENCE 2 (bases 1 to 890)

AUTHORS
TITLE
JOURNAL
Inc., 1 DNA Way, South San Francisco, CA 94080, USA

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ACCESSION BC020779
VERSION BC020779.1 GI:18088479
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SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 914)
AUTHORS Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G.,
Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D.,
Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K.,
Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F.,
Diatchenko,L., Narasina,K., Farmer,A.A., Rubin,G.M., Hong,L.,
Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L.,
Scheetz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S.,
Carrimori,P., Prange,C., Raha,S., Loquellano,N.A., Peters,G.J.,
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Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hully,S.W.,
Villation,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A.,
Fahey,J., Helton,E., Kettelman,M., Madan,A., Rodriguez,S.,
Sanchez,A., Whiting,M., Madan,A., Young,A.C., Shevchenko,Y.,
Bouffard,G.G., Blakeley,R.W., Touchman,J., Schmutz,J., Myers,R.M.,
Dickson M.C., Rodriguez,A.C., Grimwood,J., Schmutz,J., Myers,R.M.,
Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smalls,D.E.,
Scherer,A., Schein,J.E., Jones,S.J. and Marra,M.A.,
Generation and initial analysis of more than 15,000 full-length
human and mouse cDNA sequences
Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)

JOURNAL 12477932
PUBMED 2 (bases 1 to 914)
REFERENCE Strausberg,R.
AUTHORS Direct Submission
TITLE Submitted (03-JAN-2002) National Institutes of Health, Mammalian
JOURNAL Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
REMARK NIH-MGC Project URL: <http://mgc.ncl.nih.gov>
COMMENT Contact: MGC help desk
Email: cgapbs-remail.nih.gov
Tissue Procurement: CLONTECH
CDNA Library Preparation: CLONTECH Laboratories, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
DNA Sequencing by: Sequencing Group at the Stanford Human Genome
Center, Stanford University School of Medicine, Stanford, CA 94305
Web site: <http://www-shgc.stanford.edu>
Contact: (Dickson, Mark) mcdm@x11.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,
R. M.

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Best Local Similarity 99.7%; Pred. No. 7,76-239;
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Qy 785 CCATCCGGGATGTGGCCACACTGCTCACACCGAGATGTGGATAGAACCCCTCTG 844
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RESULT 7
AX060293 932 bp DNA linear PAT 22-JAN-2001
LOCUS AX060293
DEFINITION Sequence 1 from Patent WO007802.
ACCESSION AX060293
VERSION AX060293.1 GI:12405782
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.

REFERENCE
AUTHORS Shimkets, R.A., Fernandes, E., Vernet, C., Yang, M., Boldog, F.L. and
Herrmann, J.L.
TITLE Secreted polypeptides and corresponding polynucleotides
JOURNAL Patent: WO 007802-A 1 28-DEC-2000;
Curagen Corporation (US)

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source Location/Qualifiers
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ORIGIN

Query Match 97.2%; Score 865.2; DB 6; Length 932;
Best Local Similarity 99.0%; Pred. No. 3.9e-235;
Matches 881; Conservative 0; Mismatches 8; Indels 1; Gaps 1;

Qy 1 AAGTCTGTGTCCGGGATGTGGACTGATTAAGCTGCGGAGCCCTGGAAAGCTGCTGTC 60
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Qy 61 TTTCCTGTGTCTTAACCAAGAGTGCCATGGTTTGGCAATAGAGGCTGTCACAGAGC 120
Db 85 TTTCCTGTGTCTTAACCAAGAGTGCCATGGTTTGGCAATAGAGGCTGTCACAGAGC 144
Qy 121 ACTGTTAAGGCTCATGATGTGTGTCATCTGAGACGAGAGTGAAGACCCGTGTGC 180
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Qy 181 CCATGAGGCTCTTGTGACGAGACACCCCTTTTGGCAGAGGCTTGAAGTTTCTAACCC 240
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Qy 241 AGAATTGGGAAACATTGGCTGCAAGGTTTCTGATTTGTAACTACAGACAGAAAGAT 300
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Qy 301 CACCTCTGATGAGCGGATAGTCAAGTCCCGGGGCGCTGAGCGGCCCACTATAT 360
Db 325 CACCTCTGATGAGCGGATAGTCAAGTCCCGGGGCGCTGAGCGGCCCACTATAT 384

Qy 361 CTTGGTATGTGTGATCCAGATGCGCCCTAGAGAGAGAACCCAGACAGATTTCTGAG 420
Db 385 CTTGGTATGTGTGATCCAGATGCGCCCTAGAGAGAGAACCCAGACAGATTTCTGAG 444
Qy 421 ACATTGGCTGTGTAACAGATATCAAGGGGCGGACCTGGAAGAAAGGAATTCAGGGCCA 480
Db 445 ACATTGGCTGTGTAACAGATATCAAGGGGCGGACCTGGAAGAAAGGAATTCAGGGCCA 504
Qy 481 GAGATTATGAGCTACAGAGGCTCCCTCCAGCGGACACAGTGGCTTCATGCTTACCA 540
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Db 805 CTTTGGCATCCGGGATGTGGCCACACTGCTCACCCGACAGATGGGTATAGAACCC 864
Qy 840 CTTGATATACAGAACCCCTCTTTTCCAAATTAATTAATTAATTAATTAATCA 889
Db 865 CTTGATATACAGAACCCCTCTTTTCCAAATTAATTAATTAATTAATTAATCA 914

RESULT 8
AX083422 897 bp DNA linear PAT 28-FEB-2001
LOCUS AX083422
DEFINITION Sequence 114 from Patent WO0112660.
ACCESSION AX083422
VERSION AX083422.1 GI:13185262
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.

REFERENCE
AUTHORS Kato, S. and Kimura, T.
TITLE Human proteins having hydrophobic domains and dnas encoding these
JOURNAL Patent: WO 0112660-A 114 22-FEB-2001;
SAGAMI CHEMICAL RESEARCH CENTER (JP); Proteogene Inc. (JP)

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source Location/Qualifiers
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ORIGIN

Query Match 96.4%; Score 857.8; DB 6; Length 897;
Best Local Similarity 99.1%; Pred. No. 5e-233;

Matches	873;	Conservative	0;	Mismatches	7;	Indels	1;	Gaps	1.
Qy	1	AAGTACTGTGTC	CCGGAGTGTGA	CTGTGATTA	AGCTGCGAGGCC	CTGGAAAGCTG	CCCTG	CC	60
Db	11	AAGTACTGTGTG	CCGGAGTGTGA	CTGTGATTA	AGCTGCGAGGCC	CTGGAAAGCTG	CCCTTTT	CC	70
Qy	61	TTCTCCCTGTGCTT	TAACAGAGGTGCC	CAATGGGTTGG	ACATGAGGCTGGT	CAACGACG			120
Db	71	TTCTCCCTGTGCTT	TAACAGAGGTGCC	CAATGGGTTGG	ACATGAGGCTGGT	CAACGACG			130
Qy	121	ACTGTTA	CTGGGGTCT	CATGATG	TGTTGTG	CTACGTGGAA	CGAGCGG	CTG	180
Db	131	ACTGTTA	CTGGGGTCT	CATGATG	TGTTGTG	CTACGTGGAA	CGAGCGG	CTG	190
Qy	181	CCATGAGGCCCT	CTTGGACGAGG	ACACCTCTTTT	GCCAGGAGCTT	GAAATTTT	TTACCC		240
Db	191	CCATGAGGCCCT	CTTGGACGAGG	ACACCTCTTTT	GCCAGGAGCTT	GAAATTTT	TTACCC		250
Qy	241	AGA	GTGGGGAA	CATTGGCTG	CAGGTTGTTCT	GATTGTAA	CAACTACAG	CAGAGAT	300
Db	251	AGA	GTGGGGAA	CATTGGCTG	CAGGTTGTTCT	GATTGTAA	CAACTACAG	CAGAGAT	310
Qy	301	CAC	CTCCGATGAG	GCGCGATGTA	ACATCCCCGGGGG	CCGTGGACGCGCA	ACCTAAT		360
Db	311	CAC	CTCCGATGAG	GCGCGATGTA	ACATCCCCGGGGG	CCGTGGACGCGCA	ACCTAAT		370
Qy	361	CCTGGTGA	TGGTGA	TCCAGATG	CCCTTAGCAGAC	CAAGACCCCA	CAGAGTT	CTGGAG	420
Db	371	CCTGGTGA	TGGTGA	TCCAGATG	CCCTTAGCAGAC	CAAGACCCCA	CAGAGTT	CTGGAG	430
Qy	421	ACAT	TGGCTGTAC	ACAGATAT	CAAGAGGCGCGA	CTGAAAGAA	GGGAAAT	CAGAGCCA	480
Db	431	ACAT	TGGCTGTGTAA	CAGATATCA	AGGCGCGCACT	GAAAGAA	GGGAAAT	CAGAGCCA	490
Qy	481	GGAG	TATACAC	CTTACGAG	CTCCCTCCCA	CCGCAACAC	AGTGGCTT	CTCATCTA	540
Db	491	GGAG	TATACAC	CTTACGAG	CTCCCTCCCA	CCGCAACAC	AGTGGCTT	CTCATCTA	550
Qy	541	GTT	CTTTGTATCTT	CAGAAAGAA	AGTCACTCT	CTCCCTCCCA	AGAAACAA	AC	600
Db	551	GTT	CTTTGTATCTT	CAGAAAGAA	AGTCACTCT	CTCCCTCCCA	AGAAACAA	AC	610
Qy	601	TCGAG	GCTCTT	GGAAATG	ACAGATTT	CTGAAACG	CTTCCA	CTGAGCGA	660
Db	611	TCGAG	GCTCTT	GGAAATG	ACAGATTT	CTGAAACG	CTTCCA	CTGAGCGA	670
Qy	661	AAG	CAACCCAG	TTTCATG	ACCCAGAA	TTTACCGA	CTTCCAC	GCTTCCAG	720
Db	671	AAG	CAACCCAG	TTTCATG	ACCCAGAA	TTTACCGA	CTTCCAC	GCTTCCAG	730
Qy	721	AAG	GCCACG	CGAGCCCA	AGAC	-A	AAACCA	GGCABA	779
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Qy	780	CTTTG	CCATCCGG	GATGGCC	ACACTG	CTCACCG	ACGAGCTG	GGTATG	839
Db	791	CTTTG	CCATCCGG	GATGGCC	ACACTG	CTCACCG	ACGAGCTG	GGTATG	850
Qy	840	CTCTG	GAATAC	GAACCC	CTTTCTTTT	TCCAAAT	AAAAAAA	880	
Db	851	CTCTG	GAATAC	GAACCC	CTTTCTTTT	TCCAAAT	AAAAAAA	891	

RESULT 9					
BD248885	BD248885	1028 bp	DNA	linear	PAT 17-JUL-2003
LOCUS	47 human secreted proteins.				
DEFINITION	BD248885				
ACCESSION	BD248885.1	GI:33058655			
VERSION	UP 2002532083-A/55.				
KEYWORDS	Homo sapiens (human)				
SOURCE	Homo sapiens				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				

REFERENCE	AUTHORS	TITLE	JOURNAL	COMMENT
1	(baaes I to 1028)	47 human secreted proteins	Patent: JP 2002532083-A 55 02-OCT-2002;	
2	Ruben, S.M., Ebner, R.,			
3	Duan, R.D., Moore, P.A., Shi, Y., Lafleur, D.W., Olsen, H.S. and Florence, K.			
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PI DAVID W LAFLEUR, HENRIK S OLSEN, KIMBERLY FLORENCE PC
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PC C12N5/00
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CC n equals a,t,g, or c
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FH Key Location/Qualifiers
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Query Match	93.6%	Score 833.2;	DB 6;	Length 1028;
Best Local Similarity	99.0%;	Pred. No. 5.2e-226;		
Matches 857; Conservative	2;	Mismatches 5;	Indels 2;	Gaps 2

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QY	256	TGGCTGCAAGGTTGTTCTGATTGTTAACAATCAACAGACAGAAAGATCACTCTGTGATGA	315
Db	320	TGGCTGCAAGGTTGTTCTGATTGTTAACAACATCAACAGACAGAAAGATCACTCTGTGATGA	379
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QY	376	TCCAGATGCCCTATACAGACAGAACCCAGACAGAGATTCTGAGACATTTGGCTGATAC	435
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QY 496 CCAAGGCTCCCTCCCAACCGGACACACATGAGCTTCCATCGTACCAAGTTCTTTGTATCT 555

Db 560 CCAAGGCTCCCTCCCAACCGGACACACATGAGCTTCCATCGTACCAAGTTCTTTGTATCT 619

QY 556 TCAGGAAGAAAAAGTATCTCTCTCTCTCCAGAAAAAATAAACTGAGAGCTTTGGAA 615

Db 620 TCAGGAAGAAAAAGTATCTCTCTCTCTCCAGAAAAAATAAACTGAGAGCTTTGGAA 679

QY 616 AATGACAGATTTCTTAACCGCTTCCACTGGGGAACTGTAAGCAAGCAACCAAGTTCAAT 675

Db 680 AATGACAGATTTCTTAACCGTTTCCACTGGGGCAACTGTAAGCAAGCAACCAAGTTCAAT 739

QY 676 GACCCAGAACTACAGAGACTCAACCAACCTCCAGGCTCCAGAGAAAGGACCAAGCAGCC 735

Db 740 GACCCAGAACTACAGAGACTCAACCAACCTCCAGGCTCCAGAGAAAGGACCAAGCAGCC 799

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Db 800 CAAGCACAAAAACGAGCGGAGATAGCTGCTGTAGTAGCCGAGCTTTCACATCCGGGC 859

QY 795 ATGTGGCCACACTGCTCACCAACGACATGTGGGTATGAAACCCCTCTTGATATACAAAC 854

Db 860 ATGTGGCCACACTGCTCACCAACGACATGTGGGTATGAAACCCCTCTTGATATACAAAC 919

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Best Local Similarity	98.2%;	Pred. No. 4.6e-217;		
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[illegible]

LOCUS BD203800 826 bp DNA linear PAT 17-JUL-2003
DEFINITION 5' EST and human protein encoded thereby.
ACCESSION BD203800
VERSION BD203800.1 GI:33013570
KEYWORDS JP 2002511259-A/4.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 826)
AUTHORS Edwards,J.B.D.M., Duclert,A. and Giordano,J.Y.
TITLE 5' EST and human protein encoded thereby
JOURNAL Patent: JP 2002511259-A 4 16-APR-2002;
GENSET
COMMENT OS Homo sapiens (human)
PN JP 2002511259-A/4
PD 16-APR-2002
PE 09-APR-1999 JP 2000543599
PR 09-APR-1998 US 09/057719, 28-APR-1998 US 09/069047 PI
JEAN BAPTISTE DUMAS MILNE EDWARDS, AVMERIC DUCLEERT, JEAN YVES PI
GIORDANO
PC C12N15/09, C12N15/09, C07K14/47, C07K16/18, C12M1/00, C12N1/15, PC
C12N1/19
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Best Local Similarity 99.0%; Pred. No. 6.2e-212;
Matches 799; Conservative 0; Mismatches 7; Indels 1; Gaps 1;
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QY 255 TTGGCTGCAAGGTGTTCTGATTGTAACTACAGACAGAAAGATCACTCTCGATAGG 314
DB 181 TTGGCTGCAAGGTGTTCTGATTGTAACTACAGACAGAAAGATCACTCTCGATAGG 240
QY 315 AGCGATAGTCAAGTTCCTGGGGGCGGTGACGCGGCAACTATATCTGTGTGATGTGG 374
DB 241 AGCGATAGTCAAGTTCCTGGGGGCGGTGACGCGGCAACTATATCTGTGTGATGTGG 300
QY 375 ATCCAGATGCCCTTAGACAGACAGAACCCAGACAGAGTTTGTGAGACATTTGGCTGTAA 434
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DB 421 ACCAGGCTCCTCCCAACCGGCAACAGTGGCTTTCATGCTTACCAAGTTCTTTGTCTATC 480

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DB 661 CCAAGCACAAAACAGAGAGATAGCTGCTGCTAGATPAGCGGCTTTGCCATCCGG 720
QY 794 CATGTGGCCACACTGCTCAACCAACGAGATGTGGTATGGAACCCCTTGGATACAGAA 853
DB 721 CATGTGGCCACACTGCTCAACCAACGAGATGTGGTATGGAACCCCTTGGATACAGAA 780
QY 854 CCCCTTCTTTCCAAATTAATAAAAAA 880
DB 781 CCCCTTCTTTCCAAATTAATAAAAAA 807
RESULT 12
AR412374
LOCUS AR412374 826 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 7 from patent US 6639063.
ACCESSION AR412374
VERSION AR412374.1 GI:40167484
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 826)
AUTHORS Edwards,J.-B.D.M., Jobert,S. and Giordano,J.-Y.
TITLE EST's and encoded human proteins
JOURNAL Patent: US 6639063-A 7 28-OCT-2003;
FEATURES
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Best Local Similarity 99.0%; Pred. No. 6.2e-212;
Matches 799; Conservative 0; Mismatches 7; Indels 1; Gaps 1;
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DB 1 AACCAAGGTGCCCATGTGGTGTGACAAATGAGGCTGTGCACAGCAGCACTGTTACTGGGTC 60
QY 135 TCATGATGTGTGTCACTGAGACAGAGATGAGAACAGCCGCTGTGCCCATGAGGCCCTCT 194
DB 61 TCATGATGTGTGTCACTGAGACAGAGATGAGAACAGCCGCTGTGCCCATGAGGCCCTCT 120
QY 195 TGAACGAGGACACCTCTTTTGGCAGAGGCTTGAAGTTTCTACCCAGAGTTGGGGAACA 254
DB 121 TGAACGAGGACACCTCTTTTGGCAGAGGCTTGAAGTTTCTACCCAGAGTTGGGGAACA 180
QY 255 TTGGCTGCAAGGTGTTCTGATTGTAACTACAGACAGAAAGATCACTCTCGATAGG 314
DB 181 TTGGCTGCAAGGTGTTCTGATTGTAACTACAGACAGAAAGATCACTCTCGATAGG 240
QY 315 AGCGATAGTCAAGTTCCTGGGGGCGGTGACGCGGCAACTATATCTGTGTGATGTGG 374
DB 241 AGCGATAGTCAAGTTCCTGGGGGCGGTGACGCGGCAACTATATCTGTGTGATGTGG 300
QY 375 ATCCAGATGCCCTTAGACAGACAGAACCCAGACAGAGATTCTGAGACATTTGGCTGTAA 434
DB 301 ATCCAGATGCCCTTAGACAGACAGAACCCAGACAGAGATTCTGAGACATTTGGCTGTAA 360

OY	435	CAGATATCAAGGGGCGCCGACCTTGAAAGAAAGGGAAGTTCAAGGCCAGGAGTTATCAGCTT	494
Db	361	CAGATATCAAGGGGCGCCGACCTTGAAAGAAAGGGAAGTTCAAGGCCAGGAGTTATCAGCTT	420
OY	495	ACCAAGGCTCCCTCCCAACCGGACACAGTGGGTTTCATCGCTACACAGTTCTTGTTCATC	554
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DEFINITION	AX884144 Sequence 7 from Patent EP1033401.				
ACCESSION	AX884144				
VERSION	AX884144.1				
KEYWORDS	GI:40039028				
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrate; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.				
AUTHORS	Dumas Milne Edwards, J.B., Duclert, A. and Giordano, J.Y.				
TITLE	Expressed sequence tags and encoded human proteins				
JOURNAL	Patent: EP 1033401-A 7 06-SEP-2000; Genset (FR)				
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VERSION	AX969204.1	GI:40975344		
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ORGANISM	Homo sapiens			
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REFERENCE	1			
AUTHORS	Dumas Milne Edwards,J.B., Jobert,S. and Giordano,J.Y.			
TITLE	ESTs and encoded human proteins			
JOURNAL	Patent: EP 1104808-A 7 06-JUN-2001;			
	Genseit (FR)			

Dumas Milne Edwards, J.B., Jobert, S. and Giordano, J.Y
ESTs and encoded human proteins
Patent: EP 1104808-A 7 06-JUN-2001;
Genset (FR)

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Best Local Similarity 99.0%; Pred. No. 6.2e-212;
Matches 799; Conservative 0; Mismatches 7; Indels 1; Gaps 1;
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BD023758.1 GI:22564981
VERSION
JP 2001269182-A/4.
KEYWORDS
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SOURCE
ORGANISM
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Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
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PD 02-OCT-2001
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PR 26-FEB-1999 US 60/122487
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PI JORDAN
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Best Local Similarity 99.0%; Pred. No. 6.2e-212;
Matches 799; Conservative 0; Mismatches 7; Indels 1; Gaps 1;
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Post-processing: Minimum Match 0%

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and is derived by analysis of the total score distribution.

SUMMARIES

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100	874.8	98.3	972	4	AAS22443	Aas22443	Human	CDN	173	41	4.6	511	10	ACH28467	Ach28467	Human	foe
101	865.2	97.2	909	3	AAC77539	Aac77539	Human	ORF	174	41	4.6	576	9	ACH39331	Ach39331	Human	foe
102	865.2	97.2	932	4	AAC84882	Aac84882	Human	SEC	175	41	4.6	576	9	ACH39331	Ach39331	Human	foe
103	865.2	97.2	932	10	ADG76144	Adg76144	Human	NOV	176	41	4.6	618	10	ACD19363	AcD19363	CDNA	enco
104	858.4	96.4	903	12	AAI15582	Aai15582	Human	pho	177	41	4.6	831	10	AD57645	Aad57645	Rice	enha
105	858.4	96.4	903	12	AAI15582	Adk70378	Respirato		178	41	4.6	916	12	ADM44096	Adm44096	Novel	hum
106	857.8	96.4	897	4	AAF94490	Aaf94490	Human	hyd	179	41	4.6	1001	2	AO808734	AO808734		
107	855.2	96.1	903	10	ADB89000	Adb89000	Human	CDN	180	41	4.6	1079	6	ABO93324	ABO93324		
108	835.2	93.8	879	10	ADG76162	Adg76162	Human	NOV	181	41	4.6	1434	10	ACD19364	ACD19364	CDNA	enco
109	833.2	93.6	876	10	ADK68203	Adk68203	Novel	NOV	182	41	4.6	1444	6	ABN70296	ABN70296	Human	lun
110	832.8	93.6	876	10	ADK68201	Adk68201	Novel	NOV	183	41	4.6	1444	6	ABN7295	Gene #379		
111	832.8	93.6	876	10	ADK68181	Adk68181	Novel	NOV	184	41	4.6	1447	2	ADH28747	ADH28747	Human	chr
112	831.2	93.4	876	10	ADK68195	Adk68195	Novel	NOV	185	41	4.6	1447	2	AO300002	AO300002	HCNP	prec
113	829.6	93.2	876	10	ADK68197	Adk68197	Novel	NOV	186	41	4.6	1447	2	AO300002	AO300002	HCNP	prec
114	829.6	93.2	876	10	ADK68199	Adk68199	Novel	NOV	187	41	4.6	1447	2	AO300002	AO300002	HCNP	prec
115	829.6	93.2	876	10	ADK68191	Adk68191	Novel	NOV	188	40.8	4.6	1732	5	ABV29440	ABV29440	Human	hip
116	829.6	93.2	876	10	ADK68193	Adk68193	Novel	NOV	189	40.6	4.6	837	6	ABD42242	ABD42242	Human	pro
117	829.6	93.2	876	10	ADK68193	Adk68193	Novel	NOV	190	40.6	4.6	599	10	ADK55916	ADK55916	Plant	DNA
118	801.8	90.1	952	3	AAI78431	Aai78431	Human	sec	191	40.6	4.6	610	10	ADK59561	ADK59561	Plant	DNA
119	785.4	88.1	886	2	AAI22679	Aai22679	Human	CDN	192	40.6	4.6	1077	10	ADC03460	ADC03460	Wheat	flo
120	783.8	88.1	886	2	AAI22679	Aaz24252	Human	pho	193	40.6	4.6	2000	8	ADA71938	ADA71938	Rice	gene
121	783.8	88.1	886	2	AAI22679	Adp18927	Human	sec	194	39.6	4.4	424	8	ABX39978	ABX39978	Bovine	ES
122	783.8	88.1	886	2	AAI22679	Adp18927	Human	sec	195	39.6	4.4	528	3	ABX42966	ABX42966	Arabidops	
123	783.8	88.1	886	2	AAI22679	Adg76148	Human	NOV	196	39.6	4.4	528	6	AB214830	AB214830	Arabidops	
124	666.2	74.9	706	10	ADG76148	Adg76148	Human	NOV	197	39.4	4.4	561	4	AAF82481	AAF82481	Mouse	peb
125	664.6	74.7	706	10	ADG76146	Adg76146	Human	NOV	198	39.4	4.4	578	4	AAF82483	AAF82483	Mouse	CDN
126	664.6	74.7	706	10	ADG76146	Adg76146	Human	NOV	199	39.4	4.4	1218	4	AAF82492	AAF82492	Mouse	peb
127	610.2	68.6	615	10	ACH04204	Ach04204	Human	CDN	200	39	4.4	660	11	ABD04138	ABD04138	Pseudomon	
128	598.2	67.2	615	10	ADG76164	Adg76164	Human	NOV	201	39	4.4	768	11	ABD04423	ABD04423	Pseudomon	
129	598.2	67.2	627	10	ADK68187	Adk68187	Novel	NOV	202	39	4.4	974	4	ABL10663	ABL10663	Drosophill	
130	598.2	67.2	634	10	ADG76156	Adg76156	Human	NOV	203	39	4.4	1671	11	ABD04235	ABD04235	Pseudomon	
131	596.6	67.0	627	10	ADK68183	Adk68183	Novel	NOV	204	39	4.4	2352	11	ABD04523	ABD04523	Pseudomon	
132	596.6	67.0	634	10	ADG76152	Adg76152	Human	NOV	205	39	4.4	2621	4	ABL27740	ABL27740	Drosophill	
133	595.6	66.9	619	10	ADG76152	Adg76152	Human	NOV	206	39	4.4	2974	4	ABL10662	ABL10662	Drosophill	
134	593.4	66.7	627	10	ADK68189	Adk68189	Novel	NOV	207	38.8	4.4	189	12	ADO03797	ADO03797	Human	Raf
135	593.4	66.7	627	10	ADK68189	Adg76150	Human	NOV	208	38.4	4.3	358	8	ABX52843	ABX52843	Bovine	ES
136	592.4	66.6	619	10	ADG76150	Adg76150	Human	NOV	209	38	4.3	528	3	AA60684	AA60684	Arabidops	
137	527.6	59.3	547	10	ADG76158	Adg76158	Human	NOV	210	37.8	4.2	492	6	AD42235	AD42235	Pertuvian	
138	526	59.1	547	10	ADG76160	Adg76160	Human	NOV	211	37.8	4.2	825	12	ADL3432	ADL3432	Lolium pe	
139	433	38.7	447	2	AAI40582	Aax40582	Human	sec	212	37.8	4.2	1017	12	ADN94934	ADN94934	Indian ri	
140	297.2	34.4	429	9	ACH18647	Ach18647	Human	adu	213	37.8	4.2	1037	12	ADN94937	ADN94937	Japanese	
141	207	23.3	1227	6	AAS62175	Aas62175	Human	sec	214	37.8	4.2	1193	8	ACH23809	ACH23809	Frokyarot	
142	164.2	18.4	303	6	AAS62175	Aas62175	Porcine	m	215	37.4	4.2	1795	10	ADE57791	ADE57791	Rat	gene
143	120.2	13.5	133	2	AAH85783	Aah85783	Human	sin	216	37.4	4.2	1795	10	ADE57787	ADE57787	Rat	gene
144	48.2	5.4	1191	6	AAD42243	Aad42243	Corn	FT h	217	37.2	4.2	2744	4	ABL09411	ABL09411	Drosophill	
145	47.2	5.3	1078	6	AAD42238	Aad42238	Corn	FT h	218	37.2	4.2	2744	4	ABL09410	ABL09410	Drosophill	
146	47	5.3	686	6	ABT09032	Abt09032	Phase-1 R		219	36.8	4.1	528	3	AAA60683	AAA60683	Arabidops	
147	47	5.3	686	12	ADG45730	Adg45730	Liver	inf	220	36.8	4.1	754	3	AA48359	AA48359	Arabidops	
148	47	5.3	686	12	ADH22989	Adh22989	Partial	D	221	36.8	4.1	775	3	AA48359	AA48359	Arabidops	
149	47	5.3	1037	10	ADP30543	Adp30543	Rat	angio	222	36.8	4.1	831	10	ADCT7636	ADCT7636	Challan	
150	47	5.3	1047	2	AAQ30001	Aaq30001	HCNP	prec	223	36.8	4.1	856	2	AA228491	AA228491	Flowering	
151	47	5.3	1047	2	AAQ30001	Aas58685	Rat	hippo	224	36.8	4.1	856	2	AA228490	AA228490	Flowering	
152	47	5.3	1075	10	ADH58289	Adh58289	Toxicity-		225	36.8	4.1	1210	6	ABK89245	ABK89245	Mouse	DNA
153	47	5.3	1075	10	ADH58289	Adf52831	Primary r		226	36.4	4.1	600	8	ABE52773	ABE52773	Aspergill	
154	47	5.3	1075	10	ADH58289	Adf50541	Rat	angio	227	36.4	4.1	851	3	AAFI3966	AAFI3966	Aspergill	
155	47	5.3	1075	12	ADP72991	Adp72991	Renal	tox	228	36.4	4.1	1004	6	AD442263	AD442263	Rice	FT h
156	46.2	5.2	886	6	AAD42256	Aad42256	Wheat	FT	229	36.2	4.0	732	8	ACA90170	ACA90170	CDNA	enco
157	45.4	5.1	847	6	ABK91072	Abk91072	Rice	Hd3a	230	35.2	4.0	1226	6	AAD42249	AAD42249	Rice	FT h
158	45.4	5.1	847	6	ABK91071	Abk91071	Rice	Hd3a	231	35.2	4.0	1226	6	AAD42249	AAD42249	Rice	FT h
159	43.2	4.9	770	4	ABL19451	AbL19451	Drosophill		232	35	3.9	5190	5	AA591543	AA591543	DNA	enco
160	43.2	4.9	2654	4	ABL02286	AbL02286	Drosophill		233	35	3.9	5190	5	AA591543	AA591543	DNA	enco
161	43.2	4.9	3051	4	ABL19450	AbL19450	Drosophill		234	35	3.9	5190	5	AA591543	AA591543	DNA	enco
162	42.8	4.8	398	8	ABX47739	Abx47739	Bovine	ES	235	34.8	3.9	411	10	ADK056422	ADK056422	Plant	DNA
163	42.8	4.8	425	8	ABX44623	Abx44623	Bovine	ES	236	34.8	3.9	1383	8	ADG33861	ADG33861	Actinomyc	
164	42.8	4.8	441	8	ABX46766	Abx46766	Bovine	ES	237	34.8	3.9	1383	8	ADG33861	ADG33861	Actinomyc	
165	42.8	4.8	459	8	ABX36953	AbL36953	Bovine	ES	238	34.6	3.9	539	4	AAF82482	AAF82482	Mouse	CDN
166	42.8	4.8	2730	4	ABL16352	AbL16352	Drosophill		239	34.6	3.9	1560	12	ADH10487	ADH10487	Human	can
167	42.2	4.7	842	12	ADL33431	AdL33431	Pestuca	a	240	34.6	3.9	1691	12	ADH10489	ADH10489	Human	can

C 241	34.6	3.9	1703	12	ADH10480	Adh10480 Human can	314	33.2	3.7	861	1	AAH80720	AaH80720 Human SP5
C 242	34.6	3.9	1745	12	ADH10483	Adh10483 Human can	315	33.2	3.7	861	2	AAQ15262	AaQ15262 SP-5 c1on
C 243	34.6	3.9	1764	12	ADH10479	Adh10479 Human can	316	33.2	3.7	876	10	ADG32821	AdG32821 Human DNA
C 244	34.6	3.9	1871	12	ADH10485	Adh10485 Human can	317	33.2	3.7	899	6	AAD42240	AaD42240 Corn FT h
C 245	34.6	3.9	1890	12	ADH10482	Adh10482 Human can	318	33.2	3.7	926	3	AAF15020	AaF15020 Lung canC
C 246	34.6	3.9	15690	6	ABK15038	Abk15038 Canine di	319	33.2	3.7	1321	12	ADK70288	AdK70288 Respirato
C 247	34.6	3.9	15690	6	ABK15000	Abk15000 Canine di	320	33.2	3.7	1641	10	ADG10839	AdG10839 Human STA
C 248	34.6	3.9	18826	6	ABK15039	Abk15039 Canine di	321	33.2	3.7	1652	8	ABX34790	AbX34790 Human md
C 249	34.4	3.9	613	6	AAD42260	Aad42260 Corn FR h	322	33.2	3.7	1762	10	ADG10727	AdG10727 Human STA
C 250	34.2	3.8	413	10	ADCO3435	Adc03435 Banana fl	323	33.2	3.7	2588	6	AA562260	Aa562260 CDNA seg
C 251	34.2	3.8	426	8	ABX48443	Abx48443 Bovine ES	324	33	3.7	522	10	ADCO3483	Adc03483 Rice flow
C 252	34.2	3.8	535	10	ADCO3497	Adc03497 Rice flow	325	33	3.7	1585	2	AAH30564	AaH30564 Eukaryoti
C 253	34.2	3.8	850	6	AA42252	Soybean F	326	33	3.7	2902	6	AB199326	Ab199326 Mouse lsc
C 254	34.2	3.8	149158	12	ADP74211	Adp74211 Equine he	327	33	3.7	2902	12	ADU75755	AdJ75755 Marker ge
C 255	34.2	3.8	149261	12	ADP74212	Adp74212 Equine he	328	32.8	3.7	226	6	ABV96068	Abv96068 Human pan
C 256	34.2	3.8	150071	12	ADP74216	Adp74216 Equine he	329	32.8	3.7	282	10	ABX88312	Abx88312 Corn ear-
C 257	34.2	3.8	150223	12	ADP74201	Adp74201 Equine he	330	32.8	3.7	359	2	AAH25911	AaH25911 Human gen
C 258	34	3.8	13606	4	AA545458	Chemical1	331	32.8	3.7	441	4	AAH092502	AaH092502 Human rep
C 259	34	3.8	13606	4	AA545458	Chemical1	332	32.8	3.7	441	4	ABL97268	Ab197268 Human tes
C 260	34	3.8	13606	4	AA545458	Chemical1	333	32.8	3.7	781	12	ADL67133	Adl67133 Human B7-
C 261	34	3.8	13606	4	AA545458	Chemical1	334	32.8	3.7	822	2	AAQ14832	AaQ14832 OV-16 ant
C 262	33.8	3.8	1083	6	ABK28314	Abk28314 DNA trans	335	32.8	3.7	970	12	ADL67131	Adl67131 Human B7-
C 263	33.8	3.8	3144	4	ABL27595	AbL27595 Drosophil	336	32.8	3.7	1278	9	ABZ56711	AbZ56711 Human sec
C 264	33.8	3.8	5436	4	ABL27594	AbL27594 Drosophil	337	32.8	3.7	1413	6	ABK94918	AbK94918 Human nov
C 265	33.6	3.8	426	8	ABX36799	Abx36799 Bovine ES	338	32.8	3.7	2199	10	ADA53734	AdA53734 Human cod
C 266	33.6	3.8	667	10	ABD57541	Abd57541 Toxicity r	339	32.8	3.7	3479	4	AA521305	Aa521305 Human CDN
C 267	33.6	3.8	667	10	ABD52060	Abd52060 Toxicity r	340	32.8	3.7	3479	8	ACA03664	AcA03664 CDNA enco
C 268	33.6	3.8	667	10	ADP72364	Adp72364 Renal tox	341	32.8	3.7	3479	8	ABX89202	AbX89202 DNA enco
C 269	33.6	3.8	1606	8	ABX14651	Abx14651 Human CDN	342	32.8	3.7	3479	8	ACD41856	AcD41856 Human sec
C 270	33.6	3.8	1606	12	ADN96861	Adn96861 Novel hum	343	32.8	3.7	3479	8	ACA04085	AcA04085 Human CDN
C 271	33.6	3.8	1644	10	ADBS5939	Adbs5939 Primary r	344	32.8	3.7	3479	9	ADA45642	AdA45642 Novel1 hum
C 272	33.6	3.8	1644	10	ABT42500	Abt42500 Toxicity r	345	32.8	3.7	3479	9	ADA76073	AdA76073 Human PRO
C 273	33.6	3.8	1644	12	ADP73017	Adp73017 Renal tox	346	32.8	3.7	3479	9	ADA18723	AdA18723 Human PRO
C 274	33.6	3.8	2097	6	AA594917	Aa594917 Human DNA	347	32.8	3.7	3479	9	ADA61346	AdA61346 Homo sepi
C 275	33.6	3.8	2097	12	AD161662	Ad161662 Human CDN	348	32.8	3.7	3479	9	ADB19131	AdB19131 Homo sepi
C 276	33.6	3.8	2884	11	ADM03547	Adm03547 Human CDN	349	32.8	3.7	3479	9	ADB27672	AdB27672 CDNA enco
C 277	33.4	3.8	406	9	ACL23170	ACL23170 DNA clone	350	32.8	3.7	3479	9	ADA86151	AdA86151 Novel1 hum
C 278	33.4	3.8	514	9	ACL23160	ACL23160 DNA clone	351	32.8	3.7	3479	9	ADB15715	AdB15715 Human PRO
C 279	33.4	3.8	516	9	ACL23162	ACL23162 DNA clone	352	32.8	3.7	3479	9	ADA47501	AdA47501 Human PRO
C 280	33.4	3.8	538	9	ACL23156	ACL23156 DNA clone	353	32.8	3.7	3479	9	ADA67296	AdA67296 Human PRO
C 281	33.4	3.8	548	9	ACL23164	ACL23164 DNA clone	354	32.8	3.7	3479	9	ADB30303	AdB30303 CDNA enco
C 282	33.4	3.8	590	9	ACL23143	ACL23143 DNA clone	355	32.8	3.7	3479	9	ADA85599	AdA85599 Novel1 hum
C 283	33.4	3.8	608	9	ACL23167	ACL23167 DNA clone	356	32.8	3.7	3479	9	ADA96811	AdA96811 Human PRO
C 284	33.4	3.8	617	9	ACL23169	ACL23169 DNA clone	357	32.8	3.7	3479	9	ADA79115	AdA79115 Human PRO
C 285	33.4	3.8	623	9	ACL23148	ACL23148 DNA clone	358	32.8	3.7	3479	9	ADA87254	AdA87254 Novel1 hum
C 286	33.4	3.8	631	9	ACL23157	ACL23157 DNA clone	359	32.8	3.7	3479	9	ADB16456	AdB16456 Human PRO
C 287	33.4	3.8	637	9	ACL23168	ACL23168 DNA clone	360	32.8	3.7	3479	9	ADA91548	AdA91548 Novel1 hum
C 288	33.4	3.8	655	9	ACL23158	ACL23158 DNA clone	361	32.8	3.7	3479	9	ADB14611	AdB14611 Human PRO
C 289	33.4	3.8	678	10	ADH13064	Adh13064 E coli r1	362	32.8	3.7	3479	9	ADB18572	AdB18572 Novel1 hum
C 290	33.4	3.8	678	10	ADH13062	Adh13062 E coli r1	363	32.8	3.7	3479	9	ADA93787	AdA93787 Human PRO
C 291	33.4	3.8	681	9	ACL23163	ACL23163 DNA clone	364	32.8	3.7	3479	9	ADB19683	AdB19683 Novel1 hum
C 292	33.4	3.8	681	9	ACL23145	ACL23145 DNA clone	365	32.8	3.7	3479	9	ADB12995	AdB12995 Human PRO
C 293	33.4	3.8	692	9	ACL23161	ACL23161 DNA clone	366	32.8	3.7	3479	9	ACD98485	AcD98485 Novel1 hum
C 294	33.4	3.8	717	9	ACL23159	ACL23159 DNA clone	367	32.8	3.7	3479	9	ADA74249	AdA74249 Human PRO
C 295	33.4	3.8	1032	2	AAQ23646	AaQ23646 Acetylpol	368	32.8	3.7	3479	9	ADB24482	AdB24482 Human PRO
C 296	33.4	3.8	1032	2	AAQ23646	AaQ23646 Acetylpol	369	32.8	3.7	3479	9	ADA882006	AdA882006 Human PRO
C 297	33.4	3.8	3639	5	AA568242	Aa568242 DNA enco	370	32.8	3.7	3479	9	ADA74969	AdA74969 Human PRO
C 298	33.2	3.7	405	9	ACH19525	ACH19525 Human adu	371	32.8	3.7	3479	9	ADA85047	AdA85047 Novel1 hum
C 299	33.2	3.7	409	9	ACH19428	ACH19428 Human adu	372	32.8	3.7	3479	9	ADA84495	AdA84495 Novel1 hum
C 300	33.2	3.7	411	9	ACH19701	ACH19701 Human adu	373	32.8	3.7	3479	9	ADB27511	AdB27511 CDNA enco
C 301	33.2	3.7	413	10	ADH45916	Adh45916 Rat gene	374	32.8	3.7	3479	9	ADA80279	AdA80279 Human PRO
C 302	33.2	3.7	420	9	ACH19800	ACH19800 Human adu	375	32.8	3.7	3479	9	ADA75521	AdA75521 Human PRO
C 303	33.2	3.7	590	11	ADMA47218	Adma47218 Surfactan	376	32.8	3.7	3479	9	ADA45746	AdA45746 Human PRO
C 304	33.2	3.7	616	9	ABX94301	Abx94301 Human CDN	377	32.8	3.7	3479	9	ADB25042	AdB25042 Human PRO
C 305	33.2	3.7	852	1	AAH70715	AaH70715 Sequence	378	32.8	3.7	3479	9	ADA93218	AdA93218 Human PRO
C 306	33.2	3.7	852	1	AAH80721	AaH80721 Human SP5	379	32.8	3.7	3479	9	ADB26568	AdB26568 CDNA enco
C 307	33.2	3.7	852	1	AAH90094	AaH90094 SP-5 c1on	380	32.8	3.7	3479	9	ADB30855	AdB30855 Human PRO
C 308	33.2	3.7	852	2	AAQ15263	AaQ15263 SP-5 c1on	381	32.8	3.7	3479	9	ADA60783	AdA60783 Homo bap1
C 309	33.2	3.7	854	4	AAI94259	AaI94259 Human neu	382	32.8	3.7	3479	9	ADB23930	AdB23930 Human PRO
C 310	33.2	3.7	854	8	ABT32161	Abt32161 Human neu	383	32.8	3.7	3479	9	ADA96259	AdA96259 Human PRO
C 311	33.2	3.7	858	1	AAH80641	AaH80641 Sequence	384	32.8	3.7	3479	9	ADA80831	AdA80831 Human PRO
C 312	33.2	3.7	858	1	AAH90099	AaH90099 ss CDNA n	385	32.8	3.7	3479	9	ADA95707	AdA95707 Human PRO
C 313	33.2	3.7	861	1	AAH70714	AaH70714 Sequence	386	32.8	3.7	3479	9	ADB26016	AdB26016 CDNA enco

C 533	32.8	3.7	3479	12	ADG03755	Adg03755 Human PRO	606	32	3.6	341	5	ABV05108	Abv05108 Human pro
C 534	32.8	3.7	3479	12	ADG24656	Adg24656 Novel hum	607	32	3.6	342	5	ABV14277	Abv14277 Human pro
C 535	32.8	3.7	3479	12	ADG06953	Adg06953 Novel hum	608	32	3.6	394	5	ABV35370	Abv35370 Human pro
C 536	32.8	3.7	3479	12	ADG07500	Adg07500 Novel hum	609	32	3.6	394	5	ABV44201	Abv44201 Human pro
C 537	32.8	3.7	3479	12	ADG55005	Adg55005 Novel hum	610	32	3.6	550	8	ACC62613	Acc62613 Rice endo
C 538	32.8	3.7	3479	12	ADG60664	Adg60664 Novel hum	611	32	3.6	1254	10	ADL13653	Adl13653 Osteoarth
C 539	32.8	3.7	3479	12	ADG61768	Adg61768 Novel hum	612	32	3.6	1254	10	ADL13654	Adl13654 Osteoarth
C 540	32.8	3.7	3479	12	ADG81969	Adg81969 Human PRO	613	32	3.6	1320	11	ADL13922	Adl13922 Human cdn
C 541	32.8	3.7	3479	12	ADG57208	Adg57208 Novel hum	614	32	3.6	1325	12	ADH13749	Adh13749 Human ENZ
C 542	32.8	3.7	3479	12	ADG56565	Adg56565 Novel hum	615	32	3.6	1349	12	AAT59298	Aat59298 Human squ
C 543	32.8	3.7	3479	12	ADG55552	Adg55552 Novel hum	616	32	3.6	1349	10	ADU94871	Adu94871 Novel NOV
C 544	32.8	3.7	3479	12	ADG58312	Adg58312 Novel hum	617	32	3.6	1572	12	ADH45327	Adh45327 Human enz
C 545	32.8	3.7	3479	12	ADG70678	Adg70678 Novel hum	618	32	3.6	1647	10	ADL13659	Adl13659 Osteoarth
C 546	32.8	3.7	3479	12	ADG57760	Adg57760 Novel hum	619	32	3.6	1649	10	ADL13652	Adl13652 Osteoarth
C 547	32.8	3.7	3479	12	ADG53344	Adg53344 Novel hum	620	32	3.6	1649	12	ADN131611	Adn131611 Human squ
C 548	32.8	3.7	3479	12	ADG71230	Adg71230 Novel hum	621	32	3.6	1743	10	ADT02678	Adt02678 Human cdn
C 549	32.8	3.7	3479	12	ADG81417	Adg81417 Human PRO	622	32	3.6	1782	5	AAS80222	Aas80222 DNA encod
C 550	32.8	3.7	3479	12	ADH30379	Adh30379 Human PRO	623	32	3.6	1900	5	ABV22811	Abv22811 Human pro
C 551	32.8	3.7	3479	12	ADH11746	Adh11746 Novel hum	624	32	3.6	1900	5	ABV28640	Abv28640 Human pro
C 552	32.8	3.7	3479	12	ADG52168	Adg52168 Novel hum	625	32	3.6	2051	2	AAQ62598	Aaq62598 Sequence
C 553	32.8	3.7	3479	12	ADG53896	Adg53896 Novel hum	626	32	3.6	2051	12	ADN131620	Adn131620 Human squ
C 554	32.8	3.7	3479	12	ADG80865	Adg80865 Novel hum	627	32	3.6	4428	4	ABL30129	AbL30129 Drosophill
C 555	32.8	3.7	3479	12	ADG56104	Adg56104 Novel hum	628	32	3.6	7042	4	ABL30128	AbL30128 Drosophill
C 556	32.8	3.7	3479	12	ADH12370	Adh12370 Novel hum	629	32	3.6	10732	3	AAI10594	Aai10594 Gene encod
C 557	32.8	3.7	3479	12	ADG61216	Adg61216 Novel hum	630	32	3.6	96	10	ADP54842	Adp54842 Yeast Veg
C 558	32.8	3.7	3479	12	ADH28303	Adh28303 Human PRO	631	31.8	3.6	139	12	ADH55356	Adh55356 Toxicity-
C 559	32.8	3.7	3479	12	ADG54448	Adg54448 Novel hum	632	31.8	3.6	139	12	ADP71526	Adp71526 Renal tox
C 560	32.8	3.7	3479	12	ADG59488	Adg59488 Novel hum	633	31.8	3.6	275	3	AAC08065	Aac08065 Human sec
C 561	32.8	3.7	3479	12	ADH08912	Adh08912 cDNA enco	634	31.8	3.6	520	10	ADC03371	Adc03371 Rice flow
C 562	32.8	3.7	3479	12	ADG09655	Adg09655 Novel hum	635	31.8	3.6	528	11	ABD14676	Abd14676 Pseudomon
C 563	32.8	3.7	3479	12	ADL15126	Adl15126 Novel hum	636	31.8	3.6	568	6	ABN62556	Abn62556 Human can
C 564	32.8	3.7	3479	12	ADG09003	Adg09003 Novel hum	637	31.8	3.6	780	11	ABD13911	Abd13911 Pseudomon
C 565	32.8	3.7	3479	12	ADL14458	Adl14458 Novel hum	638	31.8	3.6	1020	4	AAH47067	Aah47067 Human alp
C 566	32.8	3.7	3479	12	ADL18053	Adl18053 Novel hum	639	31.8	3.6	1024	10	ABZ83463	Abz83463 Toxicolog
C 567	32.8	3.7	3479	12	ADU63334	Adj63334 Novel hum	640	31.8	3.6	1221	4	AAK52594	Aak52594 Human pol
C 568	32.8	3.7	3479	12	ADU77229	Adj77229 Human PRO	641	31.8	3.6	1281	4	AAKS1610	Aak51610 Human pol
C 569	32.8	3.7	3479	12	ADU65351	Adj65351 cDNA enco	642	31.8	3.6	2015	6	AAK20119	Aae20119 Human cdn
C 570	32.8	3.7	3479	12	ADM27487	Adm27487 cDNA enco	643	31.8	3.6	2015	8	ACA90234	Acc90234 Deatch as
C 571	32.8	3.7	3479	12	ADM42211	Adm42211 cDNA enco	644	31.8	3.6	2015	9	ACC85022	Acc85022 Human can
C 572	32.8	3.7	3479	12	ADM28073	Adm28073 cDNA enco	645	31.8	3.6	2015	10	ADBE84922	Adbe84922 Farnesyl
C 573	32.8	3.7	9905	6	AAK98324	Aak98324 Human pur	646	31.8	3.6	2015	10	ADF76966	Adf76966 Novel hum
C 574	32.8	3.7	10561	6	ADL67148	Adl67148 Plasmid p	647	31.8	3.6	2015	12	ADF54889	Adf54889 Human ATF
C 575	32.8	3.7	11006	12	ADL67147	Adl67147 Plasmid p	648	31.8	3.6	2019	12	ADE77008	Adet77008 Human cdn
C 576	32.6	3.7	298	10	ADK55918	Adk55918 Plant DNA	649	31.8	3.6	2490	11	ADM01515	Adm01515 Human cdn
C 577	32.6	3.7	406	5	ABV60840	Abv60840 Human pro	650	31.8	3.6	49999	2	AAZ23904	Aaz23904 Human LOB
C 578	32.6	3.7	871	10	ADF50992	Adf50992 Human HNI	651	31.6	3.6	404	6	ACH19032	Ach19032 Human adu
C 579	32.6	3.7	1260	8	ACA27201	Acc27201 Prokaryot	652	31.6	3.6	474	6	ABN19151	Abn19151 Human ORF
C 580	32.6	3.7	8227	5	ABA18621	Abi18621 Human ner	653	31.6	3.6	496	9	ACH33315	Ach33315 Human end
C 581	32.4	3.6	598	4	ABL20639	Abi20639 Drosophill	654	31.6	3.6	559	10	ADC03397	Adc03397 Rice flow
C 582	32.4	3.6	1668	5	AAAS78904	Aas78904 DNA encod	655	31.6	3.6	588	3	AAA44151	Aaa44151 Human sec
C 583	32.4	3.6	1747	2	ABA01490	Abi01490 Human N-a	656	31.6	3.6	638	12	ACH89554	Ach89554 Human sec
C 584	32.4	3.6	2598	4	ABL20638	Abi20638 Drosophill	657	31.6	3.6	852	11	ABD09003	Abd09003 Pseudomon
C 585	32.4	3.6	2837	4	ABL12202	Abi12202 Drosophill	658	31.6	3.6	1042	11	ADM47216	Adm47216 Neisseria
C 586	32.4	3.6	2837	4	ABL09312	Abi09312 Drosophill	659	31.6	3.6	1341	2	AAZ12061	Aaz12061 Stapherlia
C 587	32.4	3.6	2889	12	ADN94933	Adn94933 Indian r1	660	31.6	3.6	1360	4	ABA06568	Abi06568 Human cdn
C 588	32.4	3.6	2907	12	ADN94936	Adn94936 Japanese	661	31.6	3.6	1360	6	ABV83905	Abv83905 Human pol
C 589	32.4	3.6	3061	4	AAK74236	Aak74236 Human imm	662	31.6	3.6	1362	3	ABL14101	Abi14101 Recombina
C 590	32.4	3.6	3225	10	ADBE61938	Adeb61938 Human gen	663	31.6	3.6	1874	3	AAZ45592	Aaz45592 Nucleotid
C 591	32.4	3.6	3225	10	ADBE61942	Adeb61942 Human gen	664	31.6	3.6	1874	6	ABV71580	Abv71580 C. reinha
C 592	32.4	3.6	3299	10	ADSE56971	Ades56971 Rat gene	665	31.6	3.6	1945	10	ADBS3890	Adbs3890 Primary r
C 593	32.4	3.6	3299	10	ADSE56971	Ades56971 Rat gene	666	31.6	3.6	2167	6	ABL90770	Abi90770 Human pol
C 594	32.4	3.6	3299	10	ADSE56971	Ades56971 Rat gene	667	31.6	3.6	2961	6	ABK35777	Abk35777 cDNA sequ
C 595	32.4	3.6	201143	6	ABK83568	Abk83568 Human DNA	668	31.6	3.6	2991	2	AAK99860	Aak99860 Human sec
C 596	32.2	3.6	380	8	ABX47026	Abx47026 Bovine ES	669	31.6	3.6	2991	4	AAK59284	Aak59284 Human cdn
C 597	32.2	3.6	863	12	ADU01806	Adj01806 A. gosseyp	670	31.6	3.6	2991	6	ABA90953	Abi90953 Human pol
C 598	32.2	3.6	980	12	ADU44103	Adj44103 Plant CDN	671	31.6	3.6	3335	10	ADBS8154	Adbs8154 Toxicity-
C 599	32.2	3.6	1098	12	ADN63226	Adn63226 Human NOV	672	31.6	3.6	3335	10	ADBS2641	Adbs2641 Primary r
C 600	32.2	3.6	2501	4	ABH17614	Abh17614 Drosophill	673	31.6	3.6	3462	4	AAK94386	Aak94386 Human ful
C 601	32.2	3.6	14041	4	AAH48024	Aah48024 Internal	674	31.6	3.6	3462	12	ADL13096	Adl13096 Full leng
C 602	32.2	3.6	114955	2	AAK53491	Aak53491 Human ade	675	31.6	3.6	3487	4	AAK94780	Aak94780 Human ful
C 603	32.2	3.6	114955	2	AAK53491	Aak53491 Human ade	676	31.6	3.6	3487	12	ADL13849	Adl13849 Full leng
C 604	32	3.6	338	5	ABV29078	Abv29078 Human pro	677	31.6	3.6	3487	12	ADL13849	Adl13849 Full leng
C 605	32	3.6	338	5	ABV23235	Abv23235 Human pro	678	31.6	3.6	3843	11	ADM03006	Adm03006 Human cdn

679	31.6	3.6	4533	3	AAAS3920	AAAS3920 Type III	c 752	31	3.5	1341	2	AAV34599	AAV34599 M. vaccae
680	31.6	3.6	6949	12	ADQ19293	Adq19293 Human sof	c 753	31	3.5	1341	2	AAZ11334	Aaz11334 M. vaccae
681	31.6	3.6	7066	12	ADQ23558	Adq23558 Human sof	c 754	31	3.5	1341	6	ABL36240	Ab136240 M. vaccae
682	31.6	3.6	7395	4	ABL12715	Ab112715 Drosophila	c 755	31	3.5	1548	5	ADDA21197	Ada21197 Human sec
c 683	31.6	3.6	9359	6	AAK73225	Aak73225 Human imm	c 756	31	3.5	1578	5	AAAS64702	Aas64702 DNA encod
c 684	31.6	3.6	12263	6	ABR84514	AbR84514 Human cdn	c 757	31	3.5	1699	10	ADAS4301	Adas4301 Human SEC
c 685	31.6	3.6	15297	6	ABR84501	AbR84501 Human pro	c 758	31	3.5	1783	10	ADC27724	Adc27724 Human col
c 686	31.6	3.6	15297	8	ABV75414	Abv75414 Human kin	c 759	31	3.5	1788	10	ADDP6653	Adp6653 Human col
c 687	31.6	3.6	15297	12	ADM85812	Adm85812 Human pro	c 760	31	3.5	2178	3	AAAC69090	Aac69090 Human RCM
c 688	31.6	3.6	18660	3	AAAS8472	AAas8472 Nucleotid	c 761	31	3.5	2502	11	ABD17163	Abd17163 Pseudomon
c 689	31.6	3.6	20604	5	AAAS34624	Ab112714 Drosophila	c 762	31	3.5	2581	10	ADBS63219	Adbs63219 Human cdn
c 690	31.6	3.6	32186	5	ABAI6117	Abai6117 Human DNA	c 763	31	3.5	2599	10	ADBS58098	Adbs58098 Toxicity-
c 691	31.6	3.6	32186	5	ABAI6117	Abai6117 Human mer	c 764	31	3.5	2600	1	ADBS2579	Adbs2579 Primary x
c 692	31.6	3.6	34551	10	ADCB87424	Adcb87424 Human GPC	c 765	31	3.5	2994	4	AAK94141	Aak94141 Human ful
c 693	31.6	3.6	46553	4	AAK81745	Aak81745 Human imm	c 766	31	3.5	2994	4	ADL30617	Adl30617 Full leng
c 694	31.6	3.6	46553	10	ADC85260	Aak87926 Human imm	c 767	31	3.5	3018	12	ADP28247	Adp28247 Human sec
c 695	31.6	3.6	96589	9	ADA02780	Ada02780 Human PTP	c 768	31	3.5	3018	12	ADP28247	Adp28247 Human sec
c 696	31.6	3.6	96589	10	ADB74375	Adb74375 Human car	c 769	31	3.5	3078	10	ADJ92164	Adj92164 Human hai
c 697	31.6	3.6	96589	12	ADM74375	Adm74375 Human car	c 770	31	3.5	3078	10	ADJ92164	Adj92164 Human hai
c 698	31.6	3.6	167932	10	ADL13501	Adl13501 Osteoarthritis	c 771	31	3.5	3384	4	AAH16265	Aah16265 Human cdn
c 699	31.6	3.6	167932	10	ABX87574	Abx87574 Human ear	c 772	31	3.5	3534	12	ADM12939	Adm12939 PRO3473
700	31.4	3.5	303	10	AAAC90668	AAac90668 Strawberry	c 773	31	3.5	3534	12	ADM12939	Adm12939 PRO3473
701	31.4	3.5	519	4	AAAC90668	AAac90668 Strawberry	c 774	31	3.5	3534	12	ADM12939	Adm12939 PRO3473
702	31.4	3.5	535	8	ABQ91072	Abq91072 M. capuli	c 775	31	3.5	3550	5	AAAS01215	Aas01215 DNA encod
c 703	31.4	3.5	717	6	AAAF17574	Aaf17574 Human bre	c 776	31	3.5	3636	10	ADH89097	Adh89097 Encoding
704	31.4	3.5	750	4	AAAF17574	Aaf17574 Human bre	c 777	31	3.5	4257	11	ABD17192	Abd17192 Pseudomon
705	31.4	3.5	750	4	AAAF17574	Aaf17574 Human bre	c 778	31	3.5	4277	4	AAAF54241	Aaf54241 DNA encod
706	31.4	3.5	750	6	ABK95040	Abk95040 Human bre	c 779	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
707	31.4	3.5	750	6	ABK95040	Abk95040 Human bre	c 780	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
708	31.4	3.5	750	6	ABK95040	Abk95040 Human bre	c 781	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
709	31.4	3.5	750	6	ABK95040	Abk95040 Human bre	c 782	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
710	31.4	3.5	750	10	ABT32817	Abt32817 Human bre	c 783	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
711	31.4	3.5	750	11	ADL92720	Adl92720 Human bre	c 784	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
712	31.4	3.5	750	12	ADL92720	Adl92720 Human bre	c 785	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 713	31.4	3.5	836	6	ADL92720	Adl92720 Human bre	c 786	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 714	31.4	3.5	1074	3	AAAB76284	Aab76284 Soybean F	c 787	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 715	31.4	3.5	1246	10	ADBB87378	Adbb87378 Transgene	c 788	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 716	31.4	3.5	1246	12	ADL96805	Adl96805 Stab1iziti	c 789	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
717	31.4	3.5	2163	11	ABD03443	Abd03443 Pseudomon	c 790	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 718	31.4	3.5	2729	10	ACA54650	Aca54650 Human NF-	c 791	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 719	31.4	3.5	2893	4	AAH17410	Aah17410 Human CDN	c 792	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 720	31.4	3.5	2906	10	ACA54621	Aca54621 Human NF-	c 793	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 721	31.4	3.5	3546	11	ABD03305	Abd03305 Pseudomon	c 794	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
722	31.4	3.5	37286	8	AAAS59522	Aaas59522 Propionib	c 795	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
723	31.4	3.5	37286	8	ACF64451	Acf64451 Propionib	c 796	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
724	31.4	3.5	134292	8	ACA64895	AcA64895 Human GAB	c 797	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 725	31.2	3.5	442	9	ACH25503	Ach25503 Human adu	c 798	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 726	31.2	3.5	457	9	ACH25503	Ach25503 Human adu	c 799	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 727	31.2	3.5	461	9	ACH23193	Ach23193 Human adu	c 800	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
728	31.2	3.5	1437	10	ADC25964	Adc25964 Grape UDP	c 801	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 729	31.2	3.5	1441	8	AAAS59775	Aaas59775 Propionib	c 802	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 730	31.2	3.5	1441	8	ACF64704	Acf64704 Propionib	c 803	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 731	31.2	3.5	1527	11	ABD13948	Abd13948 Pseudomon	c 804	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 732	31.2	3.5	2022	11	ABD13948	Abd13948 Pseudomon	c 805	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
733	31.2	3.5	3814	4	ABLO9085	Ablo9085 Drosophila	c 806	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 734	31.2	3.5	5993	4	ABLO9085	Ablo9085 Drosophila	c 807	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 735	31.2	3.5	29180	4	AAK86476	Aak86476 Human imm	c 808	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 736	31.2	3.5	29112	4	AAAS59609	Aaas59609 Propionib	c 809	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 737	31.2	3.5	29112	4	ACF64538	Acf64538 Propionib	c 810	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
738	31.2	3.5	176080	12	ADLO8124	Adl08124 Human gen	c 811	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 739	31	3.5	31	10	AAAC84906	Aac84906 Prote Ag	c 812	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 740	31	3.5	31	10	ADG76241	Adg76241 Labelled	c 813	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 741	31	3.5	31	10	ADG76241	Adg76241 Labelled	c 814	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 742	31	3.5	264	11	ABD04322	Abd04322 Pseudomon	c 815	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 743	31	3.5	378	4	AAI83100	Aai83100 Human pol	c 816	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
c 744	31	3.5	407	9	ACH27120	Ach27120 Human adu	c 817	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
745	31	3.5	468	9	ACH40713	Ach40713 Human foe	c 818	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
746	31	3.5	529	10	ADA01712	Ada01712 Mouse Saa	c 819	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
747	31	3.5	529	10	ADB71451	Adb71451 Mouse car	c 820	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
748	31	3.5	766	4	ABD11203	Abd11203 Drosophila	c 821	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
749	31	3.5	893	6	AAAD42255	Aad42255 Wheat FT	c 822	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
750	31	3.5	1140	12	ADN74883	Adn74883 Rice RCM2	c 823	31	3.5	4277	6	ABL98150	AbL98150 Human PRO
751	31	3.5	1295	6	AAAD42250	Aad42250 Rice FT h	c 824	31	3.5	4277	6	ABL98150	AbL98150 Human PRO

825	31	3.5	4277	8	ACC93055	898	31	3.5	4277	9	ACD09289	ACd09289 Human sec
826	31	3.5	4277	8	ACA72683	899	31	3.5	4277	9	ACF12082	ACf12082 Human sec
827	31	3.5	4277	8	ACA89201	900	31	3.5	4277	9	ACF41316	ACf41316 Human sec
828	31	3.5	4277	8	ACA69837	901	31	3.5	4277	9	ACF15930	ACf15930 Human sec
829	31	3.5	4277	8	ACA97080	902	31	3.5	4277	9	ACF16237	ACf16237 Human sec
830	31	3.5	4277	8	ACA91076	903	31	3.5	4277	9	ACD32064	ACd32064 Human sec
831	31	3.5	4277	8	ACA70858	904	31	3.5	4277	9	ACF18872	ACf18872 Human sec
832	31	3.5	4277	8	ACA95368	905	31	3.5	4277	9	ACF09319	ACf09319 Human sec
833	31	3.5	4277	8	ACC86311	906	31	3.5	4277	9	ACF78440	ACf78440 Human sec
834	31	3.5	4277	8	ACC90183	907	31	3.5	4277	9	ACF52039	ACf52039 Human sec
835	31	3.5	4277	8	ACD12791	908	31	3.5	4277	9	ACF26526	ACf26526 Human sec
836	31	3.5	4277	8	ACF20021	909	31	3.5	4277	9	ACF24319	ACf24319 Human sec
837	31	3.5	4277	8	ABX76965	910	31	3.5	4277	9	ACF63630	ACf63630 Human sec
838	31	3.5	4277	8	ACA73297	911	31	3.5	4277	9	ACF50504	ACf50504 Human sec
839	31	3.5	4277	8	ACA68840	912	31	3.5	4277	9	ACH07975	ACH07975 Human sec
840	31	3.5	4277	8	ACA74684	913	31	3.5	4277	9	ACF13781	ACf13781 Human sec
841	31	3.5	4277	8	ACA70551	914	31	3.5	4277	9	ACD41707	ACd41707 Human sec
842	31	3.5	4277	8	ACD14737	915	31	3.5	4277	9	ACF32120	ACf32120 Human sec
843	31	3.5	4277	8	ACA68409	916	31	3.5	4277	9	ACF23398	ACf23398 Human sec
844	31	3.5	4277	8	ABX98874	917	31	3.5	4277	9	ACF40088	ACf40088 Human sec
845	31	3.5	4277	8	ACC81351	918	31	3.5	4277	9	ACD45610	ACd45610 Human sec
846	31	3.5	4277	8	ACA95675	919	31	3.5	4277	9	ACF53267	ACf53267 Human sec
847	31	3.5	4277	8	ACD04593	920	31	3.5	4277	9	ACF27447	ACf27447 Human sec
848	31	3.5	4277	8	ACC88034	921	31	3.5	4277	9	ACF45285	ACf45285 Human sec
849	31	3.5	4277	8	ACF12696	922	31	3.5	4277	9	ACF29903	ACf29903 Human sec
850	31	3.5	4277	8	ACA96411	923	31	3.5	4277	9	ACD89979	ACd89979 Human sec
851	31	3.5	4277	8	ACA65185	924	31	3.5	4277	9	ACD84760	ACd84760 Human sec
852	31	3.5	4277	8	ACA73911	925	31	3.5	4277	9	ACD98920	ACd98920 Human sec
853	31	3.5	4277	8	ACA74323	926	31	3.5	4277	9	ACF77212	ACf77212 Human sec
854	31	3.5	4277	8	ACA96718	927	31	3.5	4277	9	ACF76905	ACf76905 Human sec
855	31	3.5	4277	8	ACD10824	928	31	3.5	4277	9	ACF49890	ACf49890 Human sec
856	31	3.5	4277	8	ACC91520	929	31	3.5	4277	9	ACF50197	ACf50197 Human sec
857	31	3.5	4277	8	ACD02855	930	31	3.5	4277	9	ACD09596	ACd09596 Human sec
858	31	3.5	4277	8	ACC87420	931	31	3.5	4277	9	ACD08675	ACd08675 Human sec
859	31	3.5	4277	8	ACC86004	932	31	3.5	4277	9	ACF12389	ACf12389 Human sec
860	31	3.5	4277	8	ACA65492	933	31	3.5	4277	9	ACC94897	ACC94897 Human sec
861	31	3.5	4277	8	ACA94309	934	31	3.5	4277	9	ACD22616	ACd22616 Human sec
862	31	3.5	4277	8	ACA98053	935	31	3.5	4277	9	ACF15316	ACf15316 Human sec
863	31	3.5	4277	8	ACA91555	936	31	3.5	4277	9	ACC97411	ACC97411 Human sec
864	31	3.5	4277	8	ACA90769	937	31	3.5	4277	9	ACC92441	ACC92441 Human sec
865	31	3.5	4277	8	ACD16516	938	31	3.5	4277	9	ACF14088	ACf14088 Human sec
866	31	3.5	4277	8	ACD17477	939	31	3.5	4277	9	ACF14395	ACf14395 Human sec
867	31	3.5	4277	8	ACC92134	940	31	3.5	4277	9	ACF09626	ACf09626 Human sec
868	31	3.5	4277	8	ACA74991	941	31	3.5	4277	9	ACD68278	ACd68278 Human sec
869	31	3.5	4277	8	ACA91862	942	31	3.5	4277	9	ACD45917	ACd45917 Human sec
870	31	3.5	4277	8	ACA71506	943	31	3.5	4277	9	ACD48066	ACd48066 Human sec
871	31	3.5	4277	8	ACC90906	944	31	3.5	4277	9	ACD67797	ACd67797 Human sec
872	31	3.5	4277	8	ACA65916	945	31	3.5	4277	9	ACF25605	ACf25605 Human sec
873	31	3.5	4277	8	ACA95061	946	31	3.5	4277	9	ACF29289	ACf29289 Human sec
874	31	3.5	4277	8	ACD16623	947	31	3.5	4277	9	ACD85067	ACd85067 Human sec
875	31	3.5	4277	8	ACD15702	948	31	3.5	4277	9	ACD84146	ACd84146 Human sec
876	31	3.5	4277	8	ABX16805	949	31	3.5	4277	9	ACD86137	ACd86137 Human sec
877	31	3.5	4277	8	ACA97746	950	31	3.5	4277	9	ACF30824	ACf30824 Human sec
878	31	3.5	4277	9	ACA99195	951	31	3.5	4277	9	ACF32427	ACf32427 Human sec
879	31	3.5	4277	9	ACC91827	952	31	3.5	4277	9	ACH12087	ACH12087 Human sec
880	31	3.5	4277	9	ACD11238	953	31	3.5	4277	9	ACH12394	ACH12394 Human sec
881	31	3.5	4277	9	ACD15088	954	31	3.5	4277	9	ACD40786	ACd40786 Human sec
882	31	3.5	4277	9	ACD11852	955	31	3.5	4277	9	ACF18258	ACf18258 Human sec
883	31	3.5	4277	9	ACC95981	956	31	3.5	4277	9	ACF08705	ACf08705 Human sec
884	31	3.5	4277	9	ACF16544	957	31	3.5	4277	9	ACF531506	ACf531506 Human sec
885	31	3.5	4277	9	ACF02662	958	31	3.5	4277	9	ACF52346	ACf52346 Human sec
886	31	3.5	4277	9	ACF02969	959	31	3.5	4277	9	ACD50215	ACd50215 Human sec
887	31	3.5	4277	9	ACF21556	960	31	3.5	4277	9	ACF38918	ACf38918 Human sec
888	31	3.5	4277	9	ACF10240	961	31	3.5	4277	9	ACF26833	ACf26833 Human sec
889	31	3.5	4277	9	ACF78133	962	31	3.5	4277	9	ACF24933	ACf24933 Human sec
890	31	3.5	4277	9	ACD46838	963	31	3.5	4277	9	ACF46513	ACf46513 Human sec
891	31	3.5	4277	9	ACD49601	964	31	3.5	4277	9	ACF28061	ACf28061 Human sec
892	31	3.5	4277	9	ACF28368	965	31	3.5	4277	9	ACD89365	ACd89365 Human sec
893	31	3.5	4277	9	ACD89058	966	31	3.5	4277	9	ACF63937	ACf63937 Human sec
894	31	3.5	4277	9	ACD84453	967	31	3.5	4277	9	ACF60577	ACf60577 Human sec
895	31	3.5	4277	9	ACD09227	968	31	3.5	4277	9	ACH12701	ACH12701 Human sec
896	31	3.5	4277	9	ADA78191	969	31	3.5	4277	9	ACH10124	ACH10124 Human sec
897	31	3.5	4277	9	ACF48969	970	31	3.5	4277	9	ACD03979	ACd03979 Human sec

971	31	3.5	4277	9	ACD10517	ACd10517	Human	sec	1044	31	3.5	4277	9	ACF01434	ACF01434	Human	sec
972	31	3.5	4277	9	ACD12159	ACd12159	Human	sec	1045	31	3.5	4277	9	ACF41009	ACF41009	Human	sec
973	31	3.5	4277	9	ACF42544	ACf42544	Human	sec	1046	31	3.5	4277	9	ACD24349	ACd24349	Human	sec
974	31	3.5	4277	9	ACF18565	ACf18565	Human	sec	1047	31	3.5	4277	9	ACD13450	ACd13450	Human	sec
975	31	3.5	4277	9	ACF02355	ACf02355	Human	sec	1048	31	3.5	4277	9	ACF17951	ACf17951	Human	sec
976	31	3.5	4277	9	ACF21863	ACf21863	Human	sec	1049	31	3.5	4277	9	ACF32734	ACf32734	Human	sec
977	31	3.5	4277	9	ACF10547	ACf10547	Human	sec	1050	31	3.5	4277	9	ACF40395	ACf40395	Human	sec
978	31	3.5	4277	9	ACF33999	ACf33999	Human	sec	1051	31	3.5	4277	9	ACF48355	ACf48355	Human	sec
979	31	3.5	4277	9	ACF4961	ACf4961	Human	sec	1052	31	3.5	4277	9	ACF38304	ACf38304	Human	sec
980	31	3.5	4277	9	ACD90593	ACd90593	Human	sec	1053	31	3.5	4277	9	ACF25240	ACf25240	Human	sec
981	31	3.5	4277	9	ACD91206	ACd91206	Human	sec	1054	31	3.5	4277	9	ACF27140	ACf27140	Human	sec
982	31	3.5	4277	9	ACF30517	ACf30517	Human	sec	1055	31	3.5	4277	9	ACF29596	ACf29596	Human	sec
983	31	3.5	4277	9	ACD87216	ACd87216	Human	sec	1056	31	3.5	4277	9	ACF7830	ACf7830	Human	sec
984	31	3.5	4277	9	ACF60270	ACf60270	Human	sec	1057	31	3.5	4277	9	ACF76291	ACf76291	Human	sec
985	31	3.5	4277	9	ACF46820	ACf46820	Human	sec	1058	31	3.5	4277	9	ACF49583	ACf49583	Human	sec
986	31	3.5	4277	9	ACF75677	ACf75677	Human	sec	1059	31	3.5	4277	9	ACF44040	ACf44040	Human	sec
987	31	3.5	4277	9	ADA79983	AdA79983	Human	sec	1060	31	3.5	4277	9	ACH06385	ACH06385	CDNA	enco
988	31	3.5	4277	9	ACF17337	ACf17337	Human	sec	1061	31	3.5	4277	9	ACH06692	ACH06692	CDNA	enco
989	31	3.5	4277	9	ACF23091	ACf23091	Human	sec	1062	31	3.5	4277	9	ADA83598	AdA83598	Human	sec
990	31	3.5	4277	9	ACF08091	ACf08091	Human	sec	1063	31	3.5	4277	9	ACG92748	ACg92748	Human	sec
991	31	3.5	4277	9	ACF08398	ACf08398	Human	sec	1064	31	3.5	4277	9	ACG33362	ACg33362	Human	sec
992	31	3.5	4277	9	ACF40702	ACf40702	Human	sec	1065	31	3.5	4277	9	ACF19407	ACf19407	Human	sec
993	31	3.5	4277	9	ACF53881	ACf53881	Human	sec	1066	31	3.5	4277	9	ACD13098	ACd13098	Human	sec
994	31	3.5	4277	9	ACD47145	ACd47145	Human	sec	1067	31	3.5	4277	9	ACF06556	ACf06556	Human	sec
995	31	3.5	4277	9	ACF48048	ACf48048	Human	sec	1068	31	3.5	4277	9	ACG94590	ACg94590	Human	sec
996	31	3.5	4277	9	ACF47434	ACf47434	Human	sec	1069	31	3.5	4277	9	ACG8018	ACg8018	Human	sec
997	31	3.5	4277	9	ACF46206	ACf46206	Human	sec	1070	31	3.5	4277	9	ACG94283	ACg94283	Human	sec
998	31	3.5	4277	9	ACD86295	ACd86295	Human	sec	1071	31	3.5	4277	9	ACF42237	ACf42237	Human	sec
999	31	3.5	4277	9	ACF52653	ACf52653	Human	sec	1072	31	3.5	4277	9	ACD31143	ACd31143	Human	sec
1000	31	3.5	4277	9	ACF52860	ACf52860	Human	sec	1073	31	3.5	4277	9	ACD31172	ACd31172	Human	sec
1001	31	3.5	4277	9	ACF64953	ACf64953	Human	sec	1074	31	3.5	4277	9	ACD43479	ACd43479	CDNA	enco
1002	31	3.5	4277	9	ACF76598	ACf76598	Human	sec	1075	31	3.5	4277	9	ACD34509	ACd34509	CDNA	enco
1003	31	3.5	4277	9	ACF61498	ACf61498	Human	sec	1076	31	3.5	4277	9	ACF01741	ACf01741	Human	sec
1004	31	3.5	4277	9	ACF61805	ACf61805	Human	sec	1077	31	3.5	4277	9	ACF31813	ACf31813	Human	sec
1005	31	3.5	4277	9	ACD30836	ACd30836	Human	sec	1078	31	3.5	4277	9	ACD67490	ACd67490	CDNA	enco
1006	31	3.5	4277	9	ACD31757	ACd31757	Human	sec	1079	31	3.5	4277	9	ACD48680	ACd48680	Human	sec
1007	31	3.5	4277	9	ACD32678	ACd32678	Human	sec	1080	31	3.5	4277	9	ACD48987	ACd48987	Human	sec
1008	31	3.5	4277	9	ACF17644	ACf17644	Human	sec	1081	31	3.5	4277	9	ACF51425	ACf51425	Human	sec
1009	31	3.5	4277	9	ACF07477	ACf07477	Human	sec	1082	31	3.5	4277	9	ACF54188	ACf54188	Human	sec
1010	31	3.5	4277	9	ACF20635	ACf20635	Human	sec	1083	31	3.5	4277	9	ACF25912	ACf25912	Human	sec
1011	31	3.5	4277	9	ACF20942	ACf20942	Human	sec	1084	31	3.5	4277	9	ACF39225	ACf39225	Human	sec
1012	31	3.5	4277	9	ACF21249	ACf21249	Human	sec	1085	31	3.5	4277	9	ACF28982	ACf28982	Human	sec
1013	31	3.5	4277	9	ACD47759	ACd47759	Human	sec	1086	31	3.5	4277	9	ACD90899	ACd90899	Human	sec
1014	31	3.5	4277	9	ACF47741	ACf47741	Human	sec	1087	31	3.5	4277	9	ACD86602	ACd86602	Human	sec
1015	31	3.5	4277	9	ACF53574	ACf53574	Human	sec	1088	31	3.5	4277	9	ACH05464	ACH05464	CDNA	enco
1016	31	3.5	4277	9	ACD86909	ACd86909	Human	sec	1089	31	3.5	4277	9	ACF65260	ACf65260	Human	sec
1017	31	3.5	4277	9	ACH05157	ACH05157	CDNA	enco	1090	31	3.5	4277	9	ADB20551	AdB20551	Human	sec
1018	31	3.5	4277	9	ACH44654	ACH44654	Human	sec	1091	31	3.5	4277	9	ACF43733	ACf43733	Human	sec
1019	31	3.5	4277	9	ADA81710	AdA81710	Human	sec	1092	31	3.5	4277	9	ACH09203	ACH09203	Human	sec
1020	31	3.5	4277	9	ACD22309	ACd22309	Human	sec	1093	31	3.5	4277	9	ACH09510	ACH09510	Human	sec
1021	31	3.5	4277	9	ACD24656	ACd24656	Human	sec	1094	31	3.5	4277	9	ADA78803	AdA78803	Human	sec
1022	31	3.5	4277	9	ACD39859	ACd39859	Human	sec	1095	31	3.5	4277	9	ACF09933	ACf09933	Human	sec
1023	31	3.5	4277	9	ACD40166	ACd40166	CDNA	enco	1096	31	3.5	4277	9	ACF51118	ACf51118	Human	sec
1024	31	3.5	4277	9	ACF13474	ACf13474	Human	sec	1097	31	3.5	4277	9	ACF24012	ACf24012	Human	sec
1025	31	3.5	4277	9	ACF03276	ACf03276	Human	sec	1098	31	3.5	4277	9	ACD88444	ACd88444	Human	sec
1026	31	3.5	4277	9	ACF78747	ACf78747	Human	sec	1099	31	3.5	4277	9	ACH09817	ACH09817	Human	sec
1027	31	3.5	4277	9	ACF11468	ACf11468	Human	sec	1100	31	3.5	4277	9	ACH10738	ACH10738	Human	sec
1028	31	3.5	4277	9	ACF50811	ACf50811	Human	sec	1101	31	3.5	4277	9	ACH11545	ACH11545	Human	sec
1029	31	3.5	4277	9	ACF34306	ACf34306	Human	sec	1102	31	3.5	4277	9	ACG96595	ACg96595	Human	sec
1030	31	3.5	4277	9	ACD46531	ACd46531	Human	sec	1103	31	3.5	4277	9	ACH04380	ACH04380	Human	sec
1031	31	3.5	4277	9	ACD48373	ACd48373	Human	sec	1104	31	3.5	4277	9	ACG98625	ACg98625	Human	sec
1032	31	3.5	4277	9	ACF27754	ACf27754	Human	sec	1105	31	3.5	4277	9	ACF41930	ACf41930	Human	sec
1033	31	3.5	4277	9	ACF24626	ACf24626	Human	sec	1106	31	3.5	4277	9	ACF16851	ACf16851	Human	sec
1034	31	3.5	4277	9	ACD85681	ACd85681	Human	sec	1107	31	3.5	4277	9	ACD32371	ACd32371	Human	sec
1035	31	3.5	4277	9	ACD90286	ACd90286	Human	sec	1108	31	3.5	4277	9	ACD30629	ACd30629	Human	sec
1036	31	3.5	4277	9	ACD83839	ACd83839	Human	PRO	1109	31	3.5	4277	9	ACD41400	ACd41400	Human	sec
1037	31	3.5	4277	9	ACF49276	ACf49276	Human	PRO	1110	31	3.5	4277	9	ACF07784	ACf07784	Human	sec
1038	31	3.5	4277	9	ACH07361	ACH07361	Human	sec	1111	31	3.5	4277	9	ACF31199	ACf31199	Human	sec
1039	31	3.5	4277	9	ACH07668	ACH07668	Human	sec	1112	31	3.5	4277	9	ACF77519	ACf77519	Human	sec
1040	31	3.5	4277	9	ACH08282	ACH08282	Human	sec	1113	31	3.5	4277	9	ACF11161	ACf11161	Human	sec
1041	31	3.5	4277	9	ACH11473	ACH11473	CDNA	enco	1114	31	3.5	4277	9	ACF33041	ACf33041	Human	sec
1042	31	3.5	4277	9	ACH11780	ACH11780	CDNA	enco	1115	31	3.5	4277	9	ACF26219	ACf26219	Human	sec
1043	31	3.5	4277	9	ACH10431	ACH10431	Human	sec	1116	31	3.5	4277	9	ACD83532	ACd83532	Human	PRO

1117	3.5	4277	9	ACF23705	1190	3.5	4277	10	ADD05912	AdD05912	Human	sec
1118	3.5	4277	9	ACF43119	1191	3.5	4277	10	ADD10446	AdD10446	Human	sec
1119	3.5	4277	9	ACF43426	1192	3.5	4277	10	ADD11406	AdD11406	Human	sec
1120	3.5	4277	9	ACH06078	1193	3.5	4277	10	ADD70572	AdD70572	Human	CDN
1121	3.5	4277	9	ACH08896	1194	3.5	4277	10	ADD39649	AdD39649	Human	CDN
1122	3.5	4277	9	ACC90490	1195	3.5	4277	10	ADD70095	AdD70095	Human	CDN
1123	3.5	4277	9	ACF10854	1196	3.5	4277	10	ADD37199	AdD37199	Human	sec
1124	3.5	4277	9	ACC93669	1197	3.5	4277	10	ADD38216	AdD38216	Human	CDN
1125	3.5	4277	9	ACC96288	1198	3.5	4277	10	ADD39172	AdD39172	Human	CDN
1126	3.5	4277	9	ACD24963	1199	3.5	4277	10	ADD38695	AdD38695	Human	CDN
1127	3.5	4277	9	ACF02048	1200	3.5	4277	10	ADD40126	AdD40126	Human	CDN
1128	3.5	4277	9	ACF22170	1201	3.5	4277	10	ADDE50347	AdE50347	Human	CDN
1129	3.5	4277	9	ACF22784	1202	3.5	4277	10	ADDE19959	AdE19959	Human	CDN
1130	3.5	4277	9	ACF09012	1203	3.5	4277	10	ADDE49870	AdE49870	Human	CDN
1131	3.5	4277	9	ACF33348	1204	3.5	4277	10	ADDE21488	AdE21488	Human	CDN
1132	3.5	4277	9	ACF54802	1205	3.5	4277	10	ADFP29853	AdF29853	Human	CDN
1133	3.5	4277	9	ACF48662	1206	3.5	4277	10	ADFE5746	AdF5746	Human	CDN
1134	3.5	4277	9	ACD47452	1207	3.5	4277	10	ADFG2907	AdG2907	Human	CDN
1135	3.5	4277	9	ACD49294	1208	3.5	4277	10	ADG01614	AdG01614	Novel	hum
1136	3.5	4277	9	ACF37997	1209	3.5	4277	10	ADFP5789	AdF5789	Novel	hum
1137	3.5	4277	9	ACF30210	1210	3.5	4277	10	ADG12604	AdG12604	Novel	hum
1138	3.5	4277	9	ACD87523	1211	3.5	4277	10	ADH09254	AdH09254	Human	CDN
1139	3.5	4277	9	ACF62112	1212	3.5	4277	10	ADH99250	AdH99250	Human	CDN
1140	3.5	4277	9	ACH11045	1213	3.5	4277	10	ABX78747	AbX78747	Human	PRO
1141	3.5	4277	9	ACD10210	1214	3.5	4277	10	ACA75719	AcA75719	Novel	hum
1142	3.5	4277	9	ACD16935	1215	3.5	4277	10	ACA71199	AcA71199	Human	sec
1143	3.5	4277	9	ACC99232	1216	3.5	4277	10	ACC87727	AcC87727	Human	sec
1144	3.5	4277	9	ACF00626	1217	3.5	4277	10	ACC87113	AcC87113	Human	sec
1145	3.5	4277	9	ACD41093	1218	3.5	4277	10	ACD04286	AcD04286	Human	sec
1146	3.5	4277	9	ACF14702	1219	3.5	4277	10	ACA69617	AcA69617	CDNA	enco
1147	3.5	4277	9	ACF22477	1220	3.5	4277	10	ACA90462	AcA90462	Novel	hum
1148	3.5	4277	9	ACF79054	1221	3.5	4277	10	ACC89569	AcC89569	Human	sec
1149	3.5	4277	9	ACD67924	1222	3.5	4277	10	ACA98360	AcA98360	Novel	hum
1150	3.5	4277	9	ACF11775	1223	3.5	4277	10	ACA94002	AcA94002	Human	sec
1151	3.5	4277	9	ACF51732	1224	3.5	4277	10	ACD15395	AcD15395	Human	sec
1152	3.5	4277	9	ACF33655	1225	3.5	4277	10	ACD08982	AcD08982	Human	sec
1153	3.5	4277	9	ACD49908	1226	3.5	4277	10	ACC96902	AcC96902	Human	sec
1154	3.5	4277	9	ACF37690	1227	3.5	4277	10	ACF15623	AcF15623	Human	sec
1155	3.5	4277	9	ACF28675	1228	3.5	4277	10	ACA72990	AcA72990	Human	PRO
1156	3.5	4277	9	ACD88751	1229	3.5	4277	10	ACD03162	AcD03162	Novel	hum
1157	3.5	4277	9	ACF75370	1230	3.5	4277	10	ACD01977	AcD01977	Human	CDN
1158	3.5	4277	9	ACF61191	1231	3.5	4277	10	ACA92169	AcA92169	Novel	hum
1159	3.5	4277	9	ACF44347	1232	3.5	4277	11	ADL33043	AdL33043	Novel	hum
1160	3.5	4277	9	ACH08589	1233	3.5	4277	11	ADM30579	AdM30579	Novel	hum
1161	3.5	4277	9	ACG93976	1234	3.5	4277	12	ADDE41407	AdE41407	Human	sec
1162	3.5	4277	9	ACD21081	1235	3.5	4277	12	ADE74576	AdE74576	Human	sec
1163	3.5	4277	9	ACF06863	1236	3.5	4277	12	ADE75188	AdE75188	Human	sec
1164	3.5	4277	9	ACD20774	1237	3.5	4277	12	ADDE6430	AdE6430	Human	CDN
1165	3.5	4277	9	ACD22923	1238	3.5	4277	12	ADFP25741	AdF25741	Human	CDN
1166	3.5	4277	9	ACF41623	1239	3.5	4277	12	ADFP24640	AdF24640	Human	CDN
1167	3.5	4277	9	ACF07170	1240	3.5	4277	12	ADFP29376	AdF29376	Human	CDN
1168	3.5	4277	9	ACF77826	1241	3.5	4277	12	ADDE86907	AdE86907	Human	CDN
1169	3.5	4277	9	ACD46224	1242	3.5	4277	12	ADFP6401	AdF6401	Novel	hum
1170	3.5	4277	9	ACF47127	1243	3.5	4277	12	ADG04672	AdG04672	Novel	hum
1171	3.5	4277	9	ACF54495	1244	3.5	4277	12	ADG00832	AdG00832	Novel	hum
1172	3.5	4277	9	ACF45899	1245	3.5	4277	12	ADG683088	AdG683088	Human	PRO
1173	3.5	4277	9	ACF45592	1246	3.5	4277	12	ADH02945	AdH02945	Human	CDN
1174	3.5	4277	9	ACF38611	1247	3.5	4277	12	ADH03899	AdH03899	Human	CDN
1175	3.5	4277	9	ACD89672	1248	3.5	4277	12	ADH03422	AdH03422	Human	CDN
1176	3.5	4277	9	ACD85374	1249	3.5	4277	12	ADH26369	AdH26369	Novel	hum
1177	3.5	4277	9	ACD85988	1250	3.5	4277	12	ADH33338	AdH33338	Human	PRO
1178	3.5	4277	9	ACF75984	1251	3.5	4277	12	ADH433590	AdH433590	Human	PRO
1179	3.5	4277	9	ACF60884	1252	3.5	4277	12	ADH04376	AdH04376	Human	CDN
1180	3.5	4277	9	ACH05771	1253	3.5	4277	12	ADH61377	AdH61377	Human	CDN
1181	3.5	4277	9	ADA82874	1254	3.5	4277	12	ADU55077	AdU55077	Human	CDN
1182	3.5	4277	9	ACF56030	1255	3.5	4277	12	ADK82935	AdK82935	Human	PRO
1183	3.5	4277	10	ACF55416	1256	3.5	4277	12	ADJ64848	AdJ64848	Human	PRO
1184	3.5	4277	10	ADBB6182	1257	3.5	4277	12	ADM31744	AdM31744	Novel	hum
1185	3.5	4277	10	ACF56337	1258	3.5	4277	12	ADM36791	AdM36791	Novel	hum
1186	3.5	4277	10	ACF56644	1259	3.5	4277	12	ADM40596	AdM40596	Novel	hum
1187	3.5	4277	10	ACF5723	1260	3.5	4277	12	ADN05285	AdN05285	Novel	hum
1188	3.5	4277	10	ACF55109	1261	3.5	4277	12	ADL94576	AdL94576	Human	CDN
1189	3.5	4277	10	ADCl7926	1262	3.5	4277	12	ADN38204	AdN38204	Novel	hum

1263	31	3.5	4605	12	ADQ22069	Adg22069 Human sof	1336	30.6	3.4	731	6	ABQ65526	Abq65526 Arabidops
1264	31	3.5	5010	6	ABJ92114	Abj92114 Human Tum	1337	30.6	3.4	787	3	AAc47107	Aac47107 Arabidops
1265	31	3.5	5010	10	ABX72039	Abx72039 DNA encod	1338	30.6	3.4	824	2	AAV6761	Aav6761 Pathogen
1266	31	3.5	5662	10	ADJ56285	Adj56285 Human CDN	1339	30.6	3.4	939	6	ABK68665	Abk68665 Human DNA
1267	31	3.5	6021	5	ADJ61863	Adj61863 Human ova	1340	30.6	3.4	939	12	ADG83525	Adg83525 Human Olf
1268	31	3.5	6674	4	AAI58233	Aai58233 Human pol	1341	30.6	3.4	999	6	ABSe4716	Abse4716 cDNA enco
1269	31	3.5	6674	5	ADQ98440	Adq98440 DNA encod	1342	30.6	3.4	1088	6	ABLe3119	Abi3119 Breatr ca
1270	31	3.5	6674	9	ADB48200	Adb48200 Novel hum	1343	30.6	3.4	1098	8	ADA6078	Ada6078 Mouse NOV
1271	31	3.5	144411	12	ADP74214	Adp74214 Equine he	1344	30.6	3.4	1098	12	ADJ74823	Adj74823 Marker ge
1272	31	3.5	144486	12	ADP74215	Adp74215 Equine he	1345	30.6	3.4	1098	12	ADL83256	Adl83256 Human DNA
1273	31	3.5	145444	12	ADP74213	Adp74213 Equine he	1346	30.6	3.4	1098	12	ADQ17497	Adq17497 Human sof
1274	31	3.5	145596	12	ADP74202	Adp74202 Equine he	1347	30.6	3.4	1100	8	ACC49337	Acc49337 Human G p
1275	31	3.5	191010	12	ADQ52291	Adq52291 Human pro	1348	30.6	3.4	1190	10	ADJ19003	Adj19003 Human d18
1276	30.8	3.5	366	4	ADP79997	Adp79997 Leukemia	1349	30.6	3.4	1190	12	ADL83123	Adl83123 Human PRO
1277	30.8	3.5	389	4	AAK64571	Aak64571 Human Imm	1350	30.6	3.4	1218	8	ABK63538	Abk63538 Human CDN
1278	30.8	3.5	399	8	ADJ23145	Adj23145 Trilicium	1351	30.6	3.4	1230	4	AAK53362	Aak53362 Human pol
1279	30.8	3.5	449	4	AAK62441	Aak62441 Human Imm	1352	30.6	3.4	1309	12	ADQ22208	Adq22208 Human sof
1280	30.8	3.5	474	11	ABD07782	Abd07782 Pseudomon	1353	30.6	3.4	1339	10	ADQ85970	Adq85970 Human GPC
1281	30.8	3.5	574	10	ADBS5378	Adbs5378 Toxicity-	1354	30.6	3.4	1446	4	AAg33246	Aag33246 DNA encod
1282	30.8	3.5	574	10	ADBS0873	Adbs0873 Primary r	1355	30.6	3.4	1560	12	ADJ75889	Adj75889 Marker ge
1283	30.8	3.5	574	10	ABT40935	Abt40935 Toxicity	1356	30.6	3.4	1560	12	ADJ75888	Adj75888 Marker ge
1284	30.8	3.5	582	12	ADP71985	Adp71985 Renal tox	1357	30.6	3.4	1665	2	AAQ01765	Aaq01765 Sequence
1285	30.8	3.5	582	12	ADQ21824	Adq21824 Human sof	1358	30.6	3.4	2633	4	AAK69401	Aak69401 Human Imm
1286	30.8	3.5	825	8	ACA23247	Act23247 Prokaryot	1359	30.6	3.4	2649	4	AAI63869	Aai63869 Human pol
1287	30.8	3.5	831	10	ADFS0940	Adfs0940 Human HNI	1360	30.6	3.4	2649	12	ADM24420	Adm24420 Human PRO
1288	30.8	3.5	852	10	ADDS4429	Adds4429 Mouse mlt	1361	30.6	3.4	3096	8	ABZ77849	Abz77849 Human fus
1289	30.8	3.5	893	6	ADD42241	Add42241 Corn pr h	1362	30.6	3.4	3327	8	ACC46115	Acc46115 Human dlt
1290	30.8	3.5	900	11	ABD07519	Abd07519 Pseudomon	1363	30.6	3.4	4097	12	ADQ22784	Adq22784 Human sof
1291	30.8	3.5	975	8	ACA35567	Act35567 Prokaryot	1364	30.6	3.4	6459	3	AAFR88336	Aafr88336 S. spinos
1292	30.8	3.5	1071	12	ADQ29045	Ado29045 Mouse nov	1365	30.6	3.4	10732	3	AAAI0594	Aaai0594 Gene encod
1293	30.8	3.5	1173	11	ABD07557	Abd07557 Pseudomon	1366	30.6	3.4	37590	4	AAAI2439	Aaai2439 S. encod
1294	30.8	3.5	1365	4	AAAS51572	Aaes51572 Pseudomon	1367	30.6	3.4	50000	4	AAFR88313	Aafr88313 S. spinos
1295	30.8	3.5	1365	8	ACA19425	Act19425 Prokaryot	1368	30.6	3.4	50000	4	AAFR88316	Aafr88316 S. spinos
1296	30.8	3.5	1494	11	ABD07400	Abd07400 Pseudomon	1369	30.6	3.4	75236	10	AAV75557	Avv75557 Saccharop
1297	30.8	3.5	1535	3	AAAC60999	Aac60999 Human ves	1370	30.6	3.4	80161	2	AAZ21501	Aaz21501 DNA fragm
1298	30.8	3.5	2507	4	ABJ26578	Abj26578 Drosophill	1371	30.6	3.4	110000	6	AAE22303	Aae22303 Arabidops
1299	30.8	3.5	2507	12	ADQ22847	Adq22847 Human sof	1372	30.6	3.4	119596	6	ADHS0806	Adhs0806 Human G-P
1300	30.8	3.5	4615	4	AAH57554	Aah57554 Human bra	1373	30.4	3.4	293	6	ABJ76543	Abj76543 Corn taab
1301	30.8	3.5	4701	10	ADFF81694	Adff81694 Leukemia	1374	30.4	3.4	526	8	AAJ50776	Aaj50776 Clome-B1
1302	30.8	3.5	4701	10	ADFF81692	Adff81692 Leukemia	1375	30.4	3.4	532	8	AAJ50777	Aaj50777 Clome-B1
1303	30.8	3.5	4852	12	ADJ61748	Adj61748 Leukemia	1376	30.4	3.4	533	8	AAJ50779	Aaj50779 Clome-B10
1304	30.8	3.5	4852	12	ADJ61748	Adj61748 Human CDN	1377	30.4	3.4	534	8	AAJ50770	Aaj50770 Clome-B63
1305	30.8	3.5	4852	12	ADN04391	Adn04391 Antipsoxi	1378	30.4	3.4	534	8	AAJ50769	Aaj50769 Clome-B62
1306	30.8	3.5	12449	3	AAAC5840	Aacs5840 Complete	1379	30.4	3.4	534	8	AAJ50771	Aaj50771 Clome-B67
1307	30.8	3.5	12449	10	ADJ610259	Adel610259 S. lavend	1380	30.4	3.4	579	8	AAJ50765	Aaj50765 Pantocoe a
1308	30.8	3.5	13795	4	AAAS35116	Aaes35116 DNA #66 e	1381	30.4	3.4	579	12	ADP75767	Adp75767 DNA seque
1309	30.8	3.5	13795	4	AAAS31474	Aaes31474 Human DNA	1382	30.4	3.4	604	9	ACF04308	Act04308 M vaccae
1310	30.8	3.5	13795	4	ABAO6834	Abao6834 Human gen	1383	30.4	3.4	701	5	AAQ42236	Aaq42236 Balaem pe
1311	30.8	3.5	13795	6	ABQ66798	Abq66798 Human pol	1384	30.4	3.4	701	5	AAAG94340	Aaag94340 DNA encod
1312	30.8	3.5	13795	6	ABV84171	Abv84171 Human pol	1385	30.4	3.4	836	6	ABK36121	Abk36121 cDNA sequ
1313	30.8	3.5	13795	10	ADCI1085	Adci1085 Human DNA	1386	30.4	3.4	859	6	AAJ42237	Aaj42237 Garden ba
1314	30.8	3.5	13795	10	ADCA6558	Adca6558 Human neo	1387	30.4	3.4	969	6	AAJ42253	Aaj42253 Soybean P
1315	30.8	3.5	15177	4	AAK80090	Aak80090 Human Imm	1388	30.4	3.4	1002	9	ADBI12398	Adbi12398 Alilolococ
1316	30.8	3.5	15177	4	AAK66169	Aak66169 Human Imm	1389	30.4	3.4	1002	9	ADBI12396	Adbi12396 Alilolococ
1317	30.8	3.5	15331	3	AAAC55857	Aacs55857 Complete	1390	30.4	3.4	1002	9	ADBI12394	Adbi12394 Alilolococ
1318	30.8	3.5	15331	10	ADJ610266	Adel610266 S. lavend	1391	30.4	3.4	1267	3	AAZ65297	Aaz65297 Human sec
1319	30.8	3.5	43818	10	ADJ610266	Adel610266 S. lavend	1392	30.4	3.4	1267	3	AAAC99825	Aac99825 Human sec
1320	30.8	3.5	43818	11	ADJ610266	Adel610266 S. lavend	1393	30.4	3.4	1267	10	ADJ610266	Adel610266 S. lavend
1321	30.8	3.5	110000	12	ADQ34927_1	Adf57870 Human pol	1394	30.4	3.4	1316	12	ADN43083	Adn43083 Human sec
1322	30.6	3.4	186	10	ADP57870	Adp57870 Human rep	1395	30.4	3.4	1422	8	ACA37713	Acc37713 Prokaryot
1323	30.6	3.4	360	4	AAJ00525	Aaj00525 Human rep	1396	30.4	3.4	1497	10	ADD71171	Add71171 Human int
1324	30.6	3.4	360	6	ABQ54812	Abq54812 Human ova	1397	30.4	3.4	1772	4	AAK94087	Aak94087 Human ful
1325	30.6	3.4	490	6	AAH12307	Aah12307 Human CDN	1398	30.4	3.4	1772	12	ADL30514	Adl30514 Full leng
1326	30.6	3.4	496	9	ACH13407	Ach13407 Human adu	1399	30.4	3.4	1962	4	AAK94805	Aak94805 Human ful
1327	30.6	3.4	531	3	AAAC55789	Aacs55789 Mitomycin	1400	30.4	3.4	1962	12	ADL31899	Adl31899 Full leng
1328	30.6	3.4	534	10	ADJ610208	Adel610208 S. lavend	1401	30.4	3.4	2420	10	ADJ610208	Adel610208 S. lavend
1329	30.6	3.4	534	6	ABZ13163	Abz13163 Arabidops	1402	30.4	3.4	2420	10	ADJ610208	Adel610208 S. lavend
1330	30.6	3.4	550	6	AAK92581	Aak92581 Human CDN	1403	30.4	3.4	2420	10	ADJ610208	Adel610208 S. lavend
1331	30.6	3.4	550	12	ADL29008	Adl29008 3' end of	1404	30.4	3.4	2420	10	ADJ610208	Adel610208 S. lavend
1332	30.6	3.4	558	6	ABQ47222	Abq47222 Oligonuc	1405	30.4	3.4	2420	10	ADJ610208	Adel610208 S. lavend
1333	30.6	3.4	558	6	ABQ47223	Abq47223 Oligonuc	1406	30.4	3.4	2420	10	ADJ610208	Adel610208 S. lavend
1334	30.6	3.4	604	9	ACF04310	Act04310 M parfor	1407	30.4	3.4	2420	10	ADJ610208	Adel610208 S. lavend
1335	30.6	3.4	613	12	ADJ43365	Adi43365 Plant tra	1408	30.4	3.4	2420	10	ADJ610208	Adel610208 S. lavend

1409	30.4	3.4	15266	12	ADJ31170	Adj31170 Human mus	1482	30.2	3.4	1616	10	ADC33835	Adc33835 Human sec
1410	30.4	3.4	15271	4	AAK73550	Aak73550 Human imm	1483	30.2	3.4	1616	10	ADC12905	Adc12905 Human sec
1411	30.4	3.4	15271	4	AAI37433	Aai37433 Human mus	1484	30.2	3.4	1616	10	ADC12357	Adc12357 Human sec
1412	30.4	3.4	15271	8	ABX60421	Abx60421 CDNA enco	1485	30.2	3.4	1616	10	ADC78778	Adc78778 Human PRO
1413	30.4	3.4	15271	12	ADJ31171	Adj31171 Human mus	1486	30.2	3.4	1616	10	ADD04912	Add04912 Human sec
1414	30.4	3.4	11196	4	ABJ29666	Abj29666 Drosophill	1487	30.2	3.4	1616	10	ADD03918	Add03918 Human sec
1415	30.4	3.4	44118	10	ADL13708	Adl13708 Osteocarth	1488	30.2	3.4	1616	10	ADD03494	Add03494 Human sec
1416	30.4	3.4	49199	2	AAZ23901	Aaz23901 Human LOB	1489	30.2	3.4	1616	10	ADBE34746	Adbe34746 Human sec
1417	30.4	3.4	110000	8	ADBI2064_16	Contlnation (17 o	1490	30.2	3.4	1616	10	ADH59229	Adh59229 Human sec
1418	30.4	3.4	152141	8	ACB64961	Ac64961 Human BCR	1491	30.2	3.4	1616	10	ADI38008	Adi38008 Human sec
1419	30.2	3.4	395	8	ABX40652	Abx40652 Bovine ES	1492	30.2	3.4	1616	10	ACA58989	Aca58989 Human PRO
1420	30.2	3.4	473	5	ACH37880	Ach37880 Human end	1493	30.2	3.4	1616	10	ACA58386	Aca58386 CDNA enco
1421	30.2	3.4	492	5	ADL41951	Adl41951 Human ova	1494	30.2	3.4	1616	10	ADJ26276	Adj26276 Human sec
1422	30.2	3.4	492	11	ABD02276	Abd02276 Pseudomon	1495	30.2	3.4	1616	12	ADE79191	Ade79191 Human sec
1423	30.2	3.4	512	12	ACH72296	Ach72296 Human gen	1496	30.2	3.4	1616	12	ADE79615	Ade79615 Human sec
1424	30.2	3.4	566	6	ABN65308	Abn65308 Human can	1497	30.2	3.4	1616	12	ADE73291	Ade73291 Human sec
1425	30.2	3.4	591	4	AAH05659	Aah05659 Human CDN	1498	30.2	3.4	1616	12	ADE73826	Ade73826 Human sec
1426	30.2	3.4	600	10	ADPF51063	Adpf51063 Human HNI	1499	30.2	3.4	1616	12	ADE93380	Ade93380 Human sec
1427	30.2	3.4	659	10	ADPF51025	Adpf51025 Human HNI	1500	30.2	3.4	1616	12	ADE98499	Ade98499 Human sec
1428	30.2	3.4	738	6	ABJ90656	Abj90656 Human pol	ALIGNMENTS						
1429	30.2	3.4	819	2	AAK39702	Aak39702 Gaettric c	RESULT 1						
1430	30.2	3.4	956	4	AAE72152	Aae72152 Corynebac	AAA96350	AAA96350 standard; CDNA; 690 BP.					
1431	30.2	3.4	956	4	AAE72175	Aae72175 Corynebac	ID						
1432	30.2	3.4	963	4	AAE72174	Aae72174 Corynebac	AAA96350;						
1433	30.2	3.4	1101	2	AAK80213	Aak80213 Human bon	AC						
1434	30.2	3.4	1272	8	ACA42150	Aca42150 Prokaryot	XX						
1435	30.2	3.4	1272	8	ABT14613	Abt14613 Pseudomon	DE						
1436	30.2	3.4	1281	11	ABD02252	Abd02252 Pseudomon	XX						
1437	30.2	3.4	1323	8	ADN70265	Adn70265 Rice gene	XX						
1438	30.2	3.4	1503	6	ABL90641	Abi90641 Human pol	AC						
1439	30.2	3.4	1518	6	ABJ76458	Abj76458 CDNA enco	XX						
1440	30.2	3.4	1527	11	ABD02211	Abd02211 Pseudomon	DT						
1441	30.2	3.4	1533	5	AAH67071	Aah67071 C glutami	XX						
1442	30.2	3.4	1566	2	AAK52234	Aak52234 EGF-like	XX						
1443	30.2	3.4	1616	2	AAK52234	Aak52234 Protein P	XX						
1444	30.2	3.4	1616	3	AAA30056	Aaa30056 Human PRO	KW						
1445	30.2	3.4	1616	3	ADC78433	Adc78433 Human PRO	KW						
1446	30.2	3.4	1616	4	AAE72292	Aae72292 Human PRO	KW						
1447	30.2	3.4	1616	4	AAE60376	Aae60376 PRO317 co	KW						
1448	30.2	3.4	1616	6	ABO55009	Ab555009 Human ova	KW						
1449	30.2	3.4	1616	8	ACB60093	Acb60093 Human CDN	KW						
1450	30.2	3.4	1616	8	ACD07493	Acd07493 Novel hum	XX						
1451	30.2	3.4	1616	8	ABX71541	Abx71541 Human CDN	OS						
1452	30.2	3.4	1616	8	ACH06873	Ach06873 Human sec	XX						
1453	30.2	3.4	1616	8	ABX96110	Abx96110 Human sec	XX						
1454	30.2	3.4	1616	8	ACA05431	Aca05431 CDNA enco	FT						
1455	30.2	3.4	1616	8	ACD20098	Acd20098 Human sec	FT						
1456	30.2	3.4	1616	8	ACA54901	Aca54901 Novel hum	FT						
1457	30.2	3.4	1616	8	ACD19736	Acd19736 Human sec	FT						
1458	30.2	3.4	1616	9	ADB29318	Adb29318 Human sec	XX						
1459	30.2	3.4	1616	9	ADA18174	Ada18174 Human sec	XX						
1460	30.2	3.4	1616	9	ACD66683	Acd66683 Human CDN	XX						
1461	30.2	3.4	1616	9	ACD83044	Acd83044 Human PRO	PD						
1462	30.2	3.4	1616	9	ADA16149	Ada16149 Human sec	XX						
1463	30.2	3.4	1616	9	ADA42294	Ada42294 Human sec	PF						
1464	30.2	3.4	1616	9	ACD23222	Acd23222 Human PRO	XX						
1465	30.2	3.4	1616	9	ADA16573	Ada16573 Human sec	XX						
1466	30.2	3.4	1616	9	ADA13002	Ada13002 Human sec	PR						
1467	30.2	3.4	1616	9	ADA41870	Ada41870 Human sec	PR						
1468	30.2	3.4	1616	9	ADA17217	Ada17217 Human sec	PR						
1469	30.2	3.4	1616	9	ADA42720	Ada42720 Human sec	PR						
1470	30.2	3.4	1616	9	ACD23584	Acd23584 Human PRO	PR						
1471	30.2	3.4	1616	10	ADB77639	Adb77639 Human sec	PR						
1472	30.2	3.4	1616	10	ADB74775	Adb74775 Human sec	PR						
1473	30.2	3.4	1616	10	ADC28421	Adc28421 Human sec	PR						
1474	30.2	3.4	1616	10	ADC39621	Adc39621 Human sec	PR						
1475	30.2	3.4	1616	10	ADC40135	Adc40135 Human sec	PR						
1476	30.2	3.4	1616	10	ADC18963	Adc18963 Human sec	PR						
1477	30.2	3.4	1616	10	ADC34259	Adc34259 Human sec	PR						
1478	30.2	3.4	1616	10	ADC29314	Adc29314 Human sec	PR						
1479	30.2	3.4	1616	10	ADC28845	Adc28845 Human sec	PR						
1480	30.2	3.4	1616	10	ADC40730	Adc40730 Human sec	PR						
1481	30.2	3.4	1616	10	ADC19387	Adc19387 Human sec	PR						

```
XX (GETH ) GENENTECH INC.
PA Desnoyers L, Eaton DL, Goddard A, Godowski PJ, Gurney AL, Pan J,
PI Stewart TA, Watanabe CK, Wood WI, Zhang Z;
PI WPI; 2000-628263/60.
DR P-PSDB; AAB18923.
XX
XX Novel secreted and transmembrane polypeptides useful for diagnosing tumor
PT in a mammal, for identifying agonists and antagonists of the polypeptide
PT and for therapeutic use.
XX
XX Claim 2; Fig 29; 222pp; English.
XX
XX The present sequence encodes a secreted or transmembrane polypeptide. The
CC specification describes polypeptides designated PRO1484, PRO4334,
CC PRO1122, PRO1889, PRO1890, PRO1887, PRO1785, PRO4353, PRO4357, PRO4405,
CC PRO4356, PRO4352, PRO4380, PRO4354, PRO4408, PRO5737, PRO4425, PRO5990,
CC PRO6030, PRO4424, PRO4422, PRO4430 and PRO4499. PRO1889 polypeptide is
CC useful for diagnosing tumour in a mammal. The polypeptides, their
CC agonists and antagonists are useful treating a condition associated with
CC expression or activity of the polypeptide. Conditions treated include
CC obesity, diabetes or hyper- or hypo-insulinemia. The polypeptides are
CC capable of inducing proliferation of mammalian kidney mesangial cells and
CC are therefore useful for treating kidney disorders associated with
CC decreased mesangial cell function such as Bergers disease or other
CC nephropathies associated with Schonlein-Henoch purpura, cellac disease,
CC dermatitis herpeticiformis or Crohns disease. The nucleic acids may be used
CC to generate transgenic animals for use in development and screening of
CC therapeutically useful reagents and also for chromosome identification
CC and tissue typing
XX
SQ Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;
Query Match 100.0%; Score 890; DB 3; Length 890;
Best Local Similarity 100.0%; Pred. No. 1.2e-266;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AAGTACTGTGTCCGGGTGTGTGATGATTAAGTCCGGAGCCCTGGAAAGCTGCTGCC 60
DB 1 AAGTACTGTGTCCGGGTGTGTGATGATTAAGTCCGGAGCCCTGGAAAGCTGCTGCC 60
QY 61 TTCTCCCTGTGTACCAAGAGTGCCTATGGGTTTGAACAATGAGCTGTCAACAGC 120
DB 61 TTCTCCCTGTGTACCAAGAGTGCCTATGGGTTTGAACAATGAGCTGTCAACAGC 120
QY 121 ACTGTACTGGGTCTCATGATGTGTGTGACTGAGAGCAGAGATAGAAACAGCCGTGTGC 180
DB 121 ACTGTACTGGGTCTCATGATGTGTGTGACTGAGAGCAGAGATAGAAACAGCCGTGTGC 180
QY 181 CCATGAGGCCCTCTTGGACGAGACACCCCTTTTGCAGAGGCTTGAAGTTTCTACCC 240
DB 181 CCATGAGGCCCTCTTGGACGAGACACCCCTTTTGCAGAGGCTTGAAGTTTCTACCC 240
QY 241 AGAGTTGGGGAACATGGCTGCAAGTGTTCCTGATTGTAAACAATACAGAGAAAT 300
DB 241 AGAGTTGGGGAACATGGCTGCAAGTGTTCCTGATTGTAAACAATACAGAGAAAT 300
QY 301 CACCTCTGATGAGAGCCGATAGTCAAGTCCCGGGGGCGTGAACGGCGCAACTATAT 360
DB 301 CACCTCTGATGAGAGCCGATAGTCAAGTCCCGGGGGCGTGAACGGCGCAACTATAT 360
QY 361 CCTGTGTATGTGATCCAGATGCCCTTGAAGAGCAGAACCCAGACAGAGATTTCTGAG 420
DB 361 CCTGTGTATGTGATCCAGATGCCCTTGAAGAGCAGAACCCAGACAGAGATTTCTGAG 420
QY 421 ACATTGGCTGTGTAACAGATATCAAGGGGCGCAGCTTAAGAAAGGGAAGATTCAGGGCCA 480
DB 421 ACATTGGCTGTGTAACAGATATCAAGGGGCGCAGCTTAAGAAAGGGAAGATTCAGGGCCA 480
QY 481 GGAATTATCAGCTTACCAAGGCTCCCTCCCAACCGGCAACAGATGTTCATGCTTACCA 540
DB 481 GGAATTATCAGCTTACCAAGGCTCCCTCCCAACCGGCAACAGATGTTCATGCTTACCA 540
```

```
DB 481 GGAATTATCAGCTTACCAAGGCTCCCTCCCAACCGGCAACAGATGTTCATGCTTACCA 540
QY 541 GTTCTTGTCTATCTTCAGAGAAAGCAATCTCTCTCTCCCAAGAGAAACAAAC 600
DB 541 GTTCTTGTCTATCTTCAGAGAAAGCAATCTCTCTCTCCCAAGAGAAACAAAC 600
QY 601 TCGAGCTCTTGGAAAAATGAGCAAGATTTCTGAACCGCTTCCACTGGGGAACTTGAAC 660
DB 601 TCGAGCTCTTGGAAAAATGAGCAAGATTTCTGAACCGCTTCCACTGGGGAACTTGAAC 660
QY 661 AAGACCCATTTATAGACCCAGAACTTACAGAGCTACCAACCTTCCAGCTTCCAGAG 720
DB 661 AAGACCCATTTATAGACCCAGAACTTACAGAGCTACCAACCTTCCAGAGCTTCCAGAG 720
QY 721 AAGGCGCAGGAGCCCAAGACCAAAAACAGGAGATAGTGCCTGTAGATAGCGGCG 780
DB 721 AAGGCGCAGGAGCCCAAGACCAAAAACAGGAGATAGTGCCTGTAGATAGCGGCG 780
QY 781 TTGGCCATCCGGGCGATGTGGCCACATCTGCTCACACCGACGATGTGGATAGAACCCCC 840
DB 781 TTGGCCATCCGGGCGATGTGGCCACATCTGCTCACACCGACGATGTGGATAGAACCCCC 840
QY 841 TCTGATATCAGAACCCCTTCTTCCAAATTAATAAATTCATCAAA 890
DB 841 TCTGATATCAGAACCCCTTCTTCCAAATTAATAAATTCATCAAA 890
RESULT 2
ID ABEK33651
ABE33651 standard; cDNA; 890 BP.
AC ABEK33651;
XX
XX 08-MAY-2002 (first entry)
DT
XX
XX cDNA encoding human PRO protein, Seq ID No 231.
DE
XX
XX Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW breast cancer; prostate tumour; rectal tumour; liver tumour;
KW pericyte cell proliferation; chondrocyte cell proliferation;
XX tumour necrosis factor-alpha; gene; ss.
XX
XX Homo sapiens.
XX
XX MO200208288-A2.
PD 31-JAN-2002.
XX
XX 29-JUN-2001; 2001WO-US021066.
XX
XX 20-JUL-2000; 2000US-0219556P.
PR 25-JUL-2000; 2000US-0220585P.
PR 25-JUL-2000; 2000US-0220605P.
PR 25-JUL-2000; 2000US-0220607P.
PR 25-JUL-2000; 2000US-0220624P.
PR 25-JUL-2000; 2000US-0220638P.
PR 25-JUL-2000; 2000US-0220664P.
PR 25-JUL-2000; 2000US-0220666P.
PR 26-JUL-2000; 2000US-0220893P.
PR 28-JUL-2000; 2000WO-US020710.
PR 01-AUG-2000; 2000US-0222425P.
PR 22-AUG-2000; 2000US-0227133P.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 10-NOV-2000; 2000WO-US030873.
PR 28-NOV-2000; 2000US-0253646P.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
```

PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001WO-US017092.
PA (GETH) GENENTECH INC.
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ,
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WT;
XX WPI; 2002-172001/22.
DR P-PSDB; AAU83707.
XX
XX One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for treating a PRO related disorder and for diagnosing tumors such
PT as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
PT or liver tumor.
XX
XX Claim 2; Fig 231, 359pp; English.
XX
XX The invention relates to one hundred and twenty two nucleic acids
CC encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
CC encode human secreted proteins. The PRO nucleic acids, polypeptides,
CC agonists and antagonists are useful for treating a PRO related disorder.
CC The PRO polypeptides are useful for diagnosing tumors, especially lung
CC cancer, colon cancer, breast tumor, prostate tumor, rectal tumor or
CC liver tumor. The PRO polypeptides are useful for stimulating the
CC proliferation of, or gene expression, in pericyte cells, for stimulating
CC the proliferation or differentiation of chondrocyte cells, for
CC stimulating the release of tumour necrosis factor-alpha from human blood,
CC for stimulating or inhibiting the proliferation of normal human dermal
CC fibroblast cells. The PRO polypeptide may also be used as molecular
CC weight markers and for tissue typing. The PRO nucleic acids have
CC applications in molecular biology, including use as hybridisation probes,
CC and in chromosome and gene mapping. ABK3356-ABK3657 represent human PRO
CC protein coding sequences of the invention
XX
SQ Sequence 890 BP, 228 A, 246 C, 234 G, 182 T, 0 U, 0 Other;
Query Match 100.0%; Score 890; DB 6; Length 890;
Best Local Similarity 100.0%; Pred. No. 1,2e-266;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AAGTACTTGTGTCCGGGTGTGAGTGGATTAGCTGCGAGCCCTGGAAAGCTGCTGTCC 60
DB 1 AAGTACTTGTGTCCGGGTGTGAGTGGATTAGCTGCGAGCCCTGGAAAGCTGCTGTCC 60
QY 61 TTCTCCCGTGTCTTAACAGAGTGGCCCATGGTTTGGACATGAGGCTGTCAACAGCAGC 120
DB 61 TTCTCCCGTGTCTTAACAGAGTGGCCCATGGTTTGGACATGAGGCTGTCAACAGCAGC 120
QY 121 ACTGTACTGGGTCTCATGTAGTGTGTCACTGAGACGAGGATGAGAACAGCCCGTGTGC 180
DB 121 ACTGTACTGGGTCTCATGTAGTGTGTCACTGAGACGAGGATGAGAACAGCCCGTGTGC 180
QY 181 CCATGAGGCGCTCTTGGACGAGACACCTCTTTTGGCAGGGCCTTGAAGTTTCTACCC 240
DB 181 CCATGAGGCGCTCTTGGACGAGACACCTCTTTTGGCAGGGCCTTGAAGTTTCTACCC 240
QY 241 AGAGTTGGGGAAACATTGGGCTGCAAGTGTCTCTGATTGTAACTACAGAGAAAGAT 300
DB 241 AGAGTTGGGGAAACATTGGGCTGCAAGTGTCTCTGATTGTAACTACAGAGAAAGAT 300
QY 301 CACCTCCCTGATGAGACCGGATGATCAAGTTCCTGGGGGCGCTGAGCGCGCACTATAT 360
DB 301 CACCTCCCTGATGAGACCGGATGATCAAGTTCCTGGGGGCGCTGAGCGCGCACTATAT 360
QY 361 CTTGGTGTGTGATTCAGATGCCCTTACAGACAGACAGACCCAGAGATTCTGAG 420
DB 361 CTTGGTGTGTGATTCAGATGCCCTTACAGACAGACAGACCCAGAGATTCTGAG 420
QY 421 ACATTGGCTGTGATCAGATTCAGAGGGCGGACCTGTAAGAAAGGAAGATTCCAGGGCA 480
DB 421 ACATTGGCTGTGATCAGATTCAGAGGGCGGACCTGTAAGAAAGGAAGATTCCAGGGCA 480

QY 481 GGAGTTATCAGCCTACGAGGCTCCCTCCCAACCGGACACAGTGGCTTCATCGTACCA 540
DB 481 GGAGTTATCAGCCTACGAGGCTCCCTCCCAACCGGACACAGTGGCTTCATCGTACCA 540
QY 541 GTTCTTTGTCTATCTTTCAGAGAAAGAAAGTATCTCTCTCTTCCAGAAACAAAC 600
DB 541 GTTCTTTGTCTATCTTTCAGAGAAAGAAAGTATCTCTCTCTTCCAGAAACAAAC 600
QY 601 TCGAGGCTCTTGGAAATGACAGATTTCTGAACCGCTTCCACTGGGCGAAGCTGAAGC 660
DB 601 TCGAGGCTCTTGGAAATGACAGATTTCTGAACCGCTTCCACTGGGCGAAGCTGAAGC 660
QY 661 AAGCACCAGTTTCATGACCCCAAGACTACAGAGACTCAACACCTCCAGGCTCCAGAG 720
DB 661 AAGCACCAGTTTCATGACCCCAAGACTACAGAGACTCAACACCTCCAGGCTCCAGAG 720
QY 721 AAGGCGCAGCGAGCCCAAGCACAACCAAGCAGAGATAGTGTCTGTATAGCCGGC 780
DB 721 AAGGCGCAGCGAGCCCAAGCACAACCAAGCAGAGATAGTGTCTGTATAGCCGGC 780
QY 781 TTTCGCAATCCGGGATGTGGCCACACTGCTCCACACGAGATGGGTATGAAACCCC 840
DB 781 TTTCGCAATCCGGGATGTGGCCACACTGCTCCACACGAGATGGGTATGAAACCCC 840
QY 841 TCTGATACAGAACCCCTCTTTTCCAAATTAAATTAATCATCAA 890
DB 841 TCTGATACAGAACCCCTCTTTTCCAAATTAAATTAATCATCAA 890
RESULT 3
ABL88224
ID ABL88224 standard; cDNA; 890 BP.
AC ABL88224;
XX
XX 16-MAY-2002 (first entry)
DT
XX
XX Human PRO4408 cDNA sequence SEQ ID NO:305.
DE
XX
XX Human; angiogenesis; cardiact; cytostatic; antiangiogenic; hypotensive;
KW vulnery; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
KW gene therapy; cardiovascular disorder; endothelial disorder; cancer;
KW angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
KW age-related macular degeneration; arterial restenosis; angina;
KW rheumatoid arthritis; myocardial infarction; thrombophlebitis;
KW lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;
KW wound healing; chromosome mapping; gene mapping; gene; ss.
OS Homo sapiens.
XX
XX WO200200690-A2.
PN
XX
XX 03-JAN-2002.
PF
XX
XX 20-JUN-2001; 2001WO-US019692.
PR
XX
XX 23-JUN-2000; 2000US-0213637P.
PR 20-JUL-2000; 2000US-0219556P.
PR 25-JUL-2000; 2000US-0220624P.
PR 25-JUL-2000; 2000US-0220664P.
PR 28-JUL-2000; 2000WO-US020710.
PR 02-AUG-2000; 2000US-0222695P.
PR 17-AUG-2000; 2000US-00643657.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 07-SEP-2000; 2000US-0230978P.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 24-OCT-2000; 2000US-00242922P.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.

20-DEC-2000: 2000US-00747259.
PR 20-DEC-2000: 2000WO-US034986.
PR 22-JAN-2001: 2001US-00767609.
PR 28-FEB-2001: 2001US-00796498.
PR 28-FEB-2001: 2001WO-US006520.
PR 01-MAR-2001: 2001WO-US006666.
PR 09-MAR-2001: 2001US-00802706.
PR 14-MAR-2001: 2001US-00808689.
PR 22-MAR-2001: 2001US-00816744.
PR 05-APR-2001: 2001US-00828366.
PR 10-MAY-2001: 2001US-00854208.
PR 10-MAY-2001: 2001US-00854280.
PR 25-MAY-2001: 2001US-00860028.
PR 25-MAY-2001: 2001US-00866034.
PR 30-MAY-2001: 2001WO-US017092.
PR 30-MAY-2001: 2001US-00870574.
PR 01-JUN-2001: 2001WO-US017443.
PR 01-JUN-2001: 2001WO-US017800.
XX
XX (GETH) GENENTECH INC.
XX
XX Baker KP, Ferrera N, Gerber H, Gerritsen ME, Goddard A,
PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF,
PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W,
XX
XX WPI; 2002-090516/12.
DR P-PSDB; ABB84969.
XX
XX

One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal.

Claim 2: Fig 305; 565bp; English.

AB188072 to AB188258 encode the PRO proteins given in ABB84817 to ABB85003. The PRO proteins and polynucleotides have cardiant, cytostatic, antiangiogenic, hypotensive, vulnerary and antiarteriosclerotic activities, and can be used in gene therapy. The PRO polynucleotides, proteins, agonists and antagonists are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-related macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO polynucleotides have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. AB188259 to AB188267 represent primers and probes used in the exemplification of the present invention

Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;

Query Match 100.0%; Score 890; DB 6; Length 890;
Best Local Similarity 100.0%; Pred. No. 1.2e-266;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGTCTGTGTCCGGGTGTGACTGGATTAGCTCGGAGCCCTTGAAAGCTGCTTGC 60
Db 1 AAGTCTGTGTCCGGGTGTGACTGGATTAGCTCGGAGCCCTTGAAAGCTGCTTGC 60
QY 61 TTCTCCCTGTGCTTAACACAGAGTGCCCATGGATTGACATAGAGGCTGTCAAGAC 120
Db 61 TTCTCCCTGTGCTTAACACAGAGTGCCCATGGATTGACATAGAGGCTGTCAAGAC 120
QY 121 ACTGTTACTGGGTCTCATGATGTGTGTCACTGAGACAGAGANTGAAACAGCCGTGTC 180
Db 121 ACTGTTACTGGGTCTCATGATGTGTGTCACTGAGACAGAGANTGAAACAGCCGTGTC 180
QY 181 CCATGAGGCGCTCTTGAACAGACACCCCTTTTGGCAGGCGCTTGAAGTTTCTACCC 240
Db 181 CCATGAGGCGCTCTTGAACAGACACCCCTTTTGGCAGGCGCTTGAAGTTTCTACCC 240
QY 241 AGAGTTGGGAAACATGTGCTCAAGTGTCTCTGATTGTAAACAATACAGACGAAGAT 300
Db 241 AGAGTTGGGAAACATGTGCTCAAGTGTCTCTGATTGTAAACAATACAGACGAAGAT 300

Db 241 AGAGTTGGGAAACATGTGCTCAAGTGTCTCTGATTGTAAACAATACAGACGAAGAT 300
QY 301 CACCTCTGGATGAGAGCCGATAGTCAAGTTCCCGGGGGCGGTGAGAGGCGCAACTATAT 360
Db 301 CACCTCTGGATGAGAGCCGATAGTCAAGTTCCCGGGGGCGGTGAGAGGCGCAACTATAT 360
QY 361 CTTGTGATGTGTGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAGATTC 420
Db 361 CTTGTGATGTGTGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAGATTC 420
QY 421 ACATTTGCTGTATCAAGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAG 480
Db 421 ACATTTGCTGTATCAAGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAG 480
QY 481 GAGATTATCAGCTTACAGAGCTTCCCTCCAGCCGAGACAGTGGCTTCATGCTACCA 540
Db 481 GAGATTATCAGCTTACAGAGCTTCCCTCCAGCCGAGACAGTGGCTTCATGCTACCA 540
QY 541 GTTCTTTGTCTATCTTCAAGAGAAAGTCAATCTTCTCTTCCCAAGAGAAACAAAC 600
Db 541 GTTCTTTGTCTATCTTCAAGAGAAAGTCAATCTTCTCTTCCCAAGAGAAACAAAC 600
QY 601 TCGAGGCTCTTGGAAATGAGACAGATTTCTGAAACGCTTCCAGCTGGGCAACTGAGC 660
Db 601 TCGAGGCTCTTGGAAATGAGACAGATTTCTGAAACGCTTCCAGCTGGGCAACTGAGC 660
QY 661 AAGCACCAGTTTATATACCAAGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAG 720
Db 661 AAGCACCAGTTTATATACCAAGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAG 720
QY 721 AAGGCGCAGGAGCCCAAGACAAACAGAGAGATGCTGCTGCTGATGATGAGCGGC 780
Db 721 AAGGCGCAGGAGCCCAAGACAAACAGAGAGATGCTGCTGCTGATGATGAGCGGC 780
QY 781 TTTCATTCGCGGATGTGCGCACTGCTCAACCAAGATGTGGTATGAAACCCCC 840
Db 781 TTTCATTCGCGGATGTGCGCACTGCTCAACCAAGATGTGGTATGAAACCCCC 840
QY 841 TCTGATTAAGAAACCCCTTCTTTCCAAATTAATAAATAATCAATCAAA 890
Db 841 TCTGATTAAGAAACCCCTTCTTTCCAAATTAATAAATAATCAATCAAA 890
RESULT 4
ID ABL95713 standard; cDNA; 890 BP.
AC ABL95713;
XX
XX 19-JUL-2002 (First entry)
DT
DE Human angiogenesis related cDNA PRO4408 SEQ ID NO: 305.
XX
XX Human; angiogenesis; PRO protein; cardiovascularisation; wound; cancer;
KW atherosclerosis; cardiac hypertrophy; gene therapy; endothelial disorder;
KW cardiant; cytostatic; antiangiogenic; hypotensive; vulnerary;
KW antiarteriosclerotic; gene; ss.
XX
OS Homo sapiens.
XX
XX WO200208284-A2.
XX
XX 31-JAN-2002.
PF 09-JUL-2001; 2001WO-US021735.
XX
XX 20-JUL-2000; 2000US-0219556P.
PR 25-JUL-2000; 2000US-0220624P.
PR 28-JUL-2000; 2000WO-US020710.
PR 12-AUG-2000; 2000US-0222695P.
PR 17-AUG-2000; 2000US-0064365P.
PR 23-AUG-2000; 2000WO-US023522.

PR 24-AUG-2000; 2000WO-US023328.
PR 07-SEP-2000; 2000US-0230978P.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 24-OCT-2000; 2000US-0242922P.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 22-JAN-2001; 2001US-00767609.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001US-00870574.
PR 30-MAY-2001; 2001WO-US017443.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
XX
PA (GETH) GENENTECH INC.
PA (BAKE/) BAKER K P.
PA (FERR/) FERRARA N.
PA (GERB/) GERBER H.
PA (GERR/) GERRITSEN M E.
PA (GODD/) GODDARD A.
PA (GODO/) GODOWSKI P J.
PA (GURNE/) GURNEY A L.
PA (HILL/) HILLAN K J.
PA (MARS/) MARSTERS S A.
PA (PANJ/) PAN J.
PA (PAONI/) PAONI N F.
PA (STEP/) STEPHAN J F.
PA (WATA/) WATANABE C K.
PA (WILL/) WILLIAMS P M.
PA (WOOD/) WOOD W I.
XX
PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A,
PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF,
PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
XX
XX WPI: 2002-171999/22.
DR P-PSDB: ABB95575.
XX
XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal.
XX
XX Claim 1; Fig 305; 567pp; English.
PS
XX
XX The present invention provides the protein and coding sequences of human
CC PRO proteins. These are useful for treating or diagnosing a
CC cardiovascular, endothelial or angiogenic disorder, including cardiac
CC hypertrophy, trauma, cancer, age-related macular degeneration,
CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
CC healing. The present sequence is a coding sequence of the invention
XX
SQ Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;

Query Match 100.0%; Score 890; DB 6; Length 890;
Best Local Similarity 100.0%; Pred. No. 1.2e-266;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGTACTGTGTCGGGGGTGTGACTGTAGTCTGCGGAGCCCTGGAAGTGCCTGTCC 60
DB 1 AAGTACTGTGTCCGGGTGTGTGACTGTATAGTCTGCGGAGCCCTGGAAGTGCCTGTCC 60
QY 61 TTCTCCCTGTCTTAACCAAGAGTGTCCCATGGGTTTGAACAATGAGGCTGTTCACAGAC 120
DB 61 TTCTCCCTGTCTTAACCAAGAGTGTCCCATGGGTTTGAACAATGAGGCTGTTCACAGAC 120
QY 121 ACTGTACTGGGTCTCAATGATGTGTGTCACTGTGAGACAGAGATGAGAACAGCCCTGTGC 180
DB 121 ACTGTACTGGGTCTCAATGATGTGTGTCACTGTGAGACAGAGATGAGAACAGCCCTGTGC 180
QY 181 CCATGAGGCGCTCTTGGACAGAGACACCCCTCTTTTGCAGGGGCTTGAAGTTTCTACCC 240
DB 181 CCATGAGGCGCTCTTGGACAGAGACACCCCTCTTTTGCAGGGGCTTGAAGTTTCTACCC 240
QY 241 AGAGTTGGGAAACATTGGCTGCAAGTTGTTCTGATTGTAACTACAGACAGAGAT 300
DB 241 AGAGTTGGGAAACATTGGCTGCAAGTTGTTCTGATTGTAACTACAGACAGAGAT 300
QY 301 CACCTCTGTGATGAGACCGATAGTCAAGTTCCTGGGGGCGGTGACCGGCGCAACTATAT 360
DB 301 CACCTCTGTGATGAGACCGATAGTCAAGTTCCTGGGGGCGGTGACCGGCGCAACTATAT 360
QY 361 CCTGGTGTGTGTGATCCAGATGCCCCCTAGAGAGACAGACCCAGACAGATTTCTGAG 420
DB 361 CCTGGTGTGTGTGATCCAGATGCCCCCTAGAGAGACAGACCCAGACAGATTTCTGAG 420
QY 421 ACATTGGCTGTAAACAGATATCAAGGGCGCGACCTGAGAAAGGAAGATTACAGGGCCA 480
DB 421 ACATTGGCTGTAAACAGATATCAAGGGCGCGACCTGAGAAAGGAAGATTACAGGGCCA 480
QY 481 GGAATTATCAAGCTTACAGGCTCCCTCCCAACCGGACACAGTGGCTTCATCGTACCA 540
DB 481 GGAATTATCAAGCTTACAGGCTCCCTCCCAACCGGACACAGTGGCTTCATCGTACCA 540
QY 541 GTTCTTTGTCTATCTTCAGAAAGGAAGATGATCTCTCTCTCCCAAGGAACAACAAAC 600
DB 541 GTTCTTTGTCTATCTTCAGAAAGGAAGATGATCTCTCTCTCCCAAGGAACAACAAAC 600
QY 601 TCGAGGCTCTTGAAGATGACAGATTTCTGAACCGCTTCACCTGGCGAAGCTGAAGC 660
DB 601 TCGAGGCTCTTGAAGATGACAGATTTCTGAACCGCTTCACCTGGCGAAGCTGAAGC 660
QY 661 AAGCAACCAAGTTCAATGACCCAGAACTACAGAGCTACCAACCTCCAGGCTCCAGAG 720
DB 661 AAGCAACCAAGTTCAATGACCCAGAACTACAGAGCTACCAACCTCCAGGCTCCAGAG 720
QY 721 AAGGGCCAGGAGCCCAAGCAACAACACGAGCAGATAGCTGCTAGATGCGGGC 780
DB 721 AAGGGCCAGGAGCCCAAGCAACAACACGAGCAGATAGCTGCTAGATGCGGGC 780
QY 781 TTTCACATCCGGGATGTGCGACACTGTCTACACACCGAGTGTGGTATGAAACCCCC 840
DB 781 TTTCACATCCGGGATGTGCGACACTGTCTACACACCGAGTGTGGTATGAAACCCCC 840
QY 841 TCTGATACAGAACCCCTTTCTTTCACAATTAAATTAATCATCAA 890
DB 841 TCTGATACAGAACCCCTTTCTTTCACAATTAAATTAATCATCAA 890
RESULT 5
ACD28839 standard; cDNA; 890 BP.
ACD28839;
ACD28839;
27-AUG-2003 (first entry)
Human secreted / transmembrane polypeptide PR04408 cDNA.
Human; ss; gene; therapy; diabetes; obesity; hypoinulinaemia.

XX Homo sapiens.
 OS
 XX
 PS US2003027249-A1.
 PN
 XX
 PD 06-FEB-2003.
 XX
 PF 16-AUG-2001; 2001US-00931836.
 XX
 PR 15-MAY-1998; 98US-0085579P.
 PR 15-DEC-1998; 98US-0112514P.
 PR 22-DEC-1998; 98US-0113300P.
 PR 23-DEC-1998; 98US-0113430P.
 PR 23-DEC-1998; 98US-0113605P.
 PR 23-DEC-1998; 98US-0113621P.
 PR 23-DEC-1998; 98US-0114140P.
 PR 12-JAN-1999; 99US-0115552P.
 PR 22-JAN-1999; 99US-0116843P.
 PR 23-MAR-1999; 99US-0125774P.
 PR 23-MAR-1999; 99US-0125778P.
 PR 24-MAR-1999; 99US-0125826P.
 PR 31-MAR-1999; 99US-0127035P.
 PR 05-APR-1999; 99US-0127706P.
 PR 13-APR-1999; 99US-0129122P.
 PR 21-APR-1999; 99US-0130359P.
 PR 27-APR-1999; 99US-0131270P.
 PR 27-APR-1999; 99US-0131272P.
 PR 04-MAY-1999; 99US-0132371P.
 PR 04-MAY-1999; 99US-0132379P.
 PR 14-MAY-1999; 99US-0132383P.
 PR 14-MAY-1999; 99US-00311832.
 PR 25-MAY-1999; 99US-0135750P.
 PR 08-JUN-1999; 99US-0138166P.
 PR 20-JUL-1999; 99US-0144791P.
 PR 03-AUG-1999; 99US-0146970P.
 PR 25-AUG-1999; 99US-00380142.
 PR 29-OCT-1999; 99US-0162506P.
 PR 02-DEC-1999; 99WO-US028551.
 PR 22-DEC-1999; 99WO-US030720.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 22-AUG-2000; 2000US-00644848.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 22-MAR-2001; 2001US-00816744.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001US-00869599.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Desnoyers L, Eaton DL, Goddard A, Godowski PJ, Gurney AL, Pan J;
 PI Stewart TA, Matanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2003-492030/46.
 DR P-PSDB; ABO19433.
 XX
 PT New isolated, secreted and transmembrane PRO polypeptides and encoding
 PT nucleic acids, useful for the diagnosis and treatment of disorders such

PT as diabetes, obesity and/or hypoinulinemia.
 XX
 PS Claim 1; Fig 29; 196pp; English.
 XX
 CC The invention relates to a new isolated nucleic acid which encodes a PRO
 CC polypeptide. The methods and compositions of the present invention are
 CC useful for the diagnosis and treatment of disorders associated with the
 CC PRO polypeptides, such as diabetes, obesity and hypoinulinemia. The
 CC present sequence represents cDNA encoding a human secreted and
 CC transmembrane PRO polypeptide
 XX
 SQ Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;
 Query Match 100.0%; Score 890; DB 8; Length 890;
 Best Local Similarity 100.0%; Pred. No. 1,2e-266;
 Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AAGTACTTGTGTCGGGTGTGAGTGAATTAGCTCGGAGCCCTGGAAGCTTCGTCC 60
 Db 1 AAGTACTTGTGTCGGGTGTGAGTGAATTAGCTCGGAGCCCTGGAAGCTTCGTCC 60
 QY 61 TTCTCCCTGTGTTAAACAGAGGTGCCATGGGTTGACAAATGAGGCTGTCAACAGAG 120
 Db 61 TTCTCCCTGTGTTAAACAGAGGTGCCATGGGTTGACAAATGAGGCTGTCAACAGAG 120
 QY 121 ACTGTACGGGTCATATATGTGTGTCATGAGACGAGATGANAACAGCCCGTGTGC 180
 Db 121 ACTGTACGGGTCATATATGTGTGTCATGAGACGAGATGANAACAGCCCGTGTGC 180
 QY 181 CCATGAGGCCCTCTTGTGACGAGGACACCTCTTTTCCAGGGCCTTGAAGTTTCTACCC 240
 Db 181 CCATGAGGCCCTCTTGTGACGAGGACACCTCTTTTCCAGGGCCTTGAAGTTTCTACCC 240
 QY 241 AGAGTTGGGGAACATTGGCTGCAAGGTGTTCTCTGATTTGTAACTTACAGACAGAAT 300
 Db 241 AGAGTTGGGGAACATTGGCTGCAAGGTGTTCTCTGATTTGTAACTTACAGACAGAAT 300
 QY 301 CACCTCGGATGAGACCCGATAGTCAAGTTCGCCGGGGGGCGTGGACGGGCAACCTATAT 360
 Db 301 CACCTCGGATGAGACCCGATAGTCAAGTTCGCCGGGGGGCGTGGACGGGCAACCTATAT 360
 QY 361 CCGTGATGTGTGATTCAGATGCCCTTAGCAGAGCAGAACAGAGATTCTGAG 420
 Db 361 CCGTGATGTGTGATTCAGATGCCCTTAGCAGAGCAGAACAGAGATTCTGAG 420
 QY 421 ACATTGGCTGTAAAGATATCAAGGCGCCGACCTGAAAGAAAGGAATTCAGGGCCA 480
 Db 421 ACATTGGCTGTAAAGATATCAAGGCGCCGACCTGAAAGAAAGGAATTCAGGGCCA 480
 QY 481 GGATTATCAGCTTACAGAGTCCCTCCACCGGACACAGTGGCTTCATCGTACCA 540
 Db 481 GGATTATCAGCTTACAGAGTCCCTCCACCGGACACAGTGGCTTCATCGTACCA 540
 QY 541 GTTCTTGTCTATCTTCAGAAAGAAAGTCAITCTCTCTCTTCCAGAAAAACAAAC 600
 Db 541 GTTCTTGTCTATCTTCAGAAAGAAAGTCAITCTCTCTCTTCCAGAAAAACAAAC 600
 QY 601 TCGAGGCTCTGGAATAATGACAGATTTCGAAACGCTTCCACTGGGGGAACCTGAAC 660
 Db 601 TCGAGGCTCTGGAATAATGACAGATTTCGAAACGCTTCCACTGGGGGAACCTGAAC 660
 QY 661 AAGCACCAATTATGATGACCAAGAACTACAGAGATTCACCAACCTTCAGGCTCCAGAG 720
 Db 661 AAGCACCAATTATGATGACCAAGAACTACAGAGATTCACCAACCTTCAGGCTCCAGAG 720
 QY 721 AAGGCGCAGGAGCCCAAGACAAAACAGGAGAGATGCTGCTGTAATAGCCGCG 780
 Db 721 AAGGCGCAGGAGCCCAAGACAAAACAGGAGAGATGCTGCTGTAATAGCCGCG 780
 QY 781 TTGGCATCGGAGCATGTGGCCACACTGCTTCAACCAAGATGTGGATGTGAACCC 840
 Db 781 TTGGCATCGGAGCATGTGGCCACACTGCTTCAACCAAGATGTGGATGTGAACCC 840

Qy 841 TCTGATACAGACCCCTCTTTCCAAATTAAAAAATCATCAAA 890
Db 841 TCTGATACAGACCCCTCTTTCCAAATTAAAAAATCATCAAA 890

RESULT 6
ACA06113
ID ACA06113 standard; cDNA; 890 BP.
XX
AC ACA06113;
XX
DT 02-JUN-2003 (first entry)
XX
DE cDNA encoding human PRO polypeptide #15.
XX
KW Human; PRO polypeptide; secreted and transmembrane protein; cancer;
KW non-insulin dependent diabetes mellitus; septic shock; stroke;
KW rheumatoid arthritis; graft-versus-host disease; cardiac ischaemia;
KW psoriasis; inflammatory bowel disease; asthma; antidiabetic; cytoprotective;
KW immunosuppressive; antirheumatic; antiarthritic; cerebroprotective;
KW vasotropic; antipsoriatic; antiinflammatory; antiasthmatic; gene therapy;
KW gene; ss.
XX
OS Homo sapiens.
XX
PN US2003008348-A1.
XX
PD 09-JAN-2003.
XX
PF 26-DEC-2001; 2001US-00035855.
XX
PR 15-MAY-1998; 98US-0085579P.
PR 15-DEC-1998; 98US-0112514P.
PR 22-DEC-1998; 98US-0113300P.
PR 23-DEC-1998; 98US-0113430P.
PR 23-DEC-1998; 98US-0113605P.
PR 23-DEC-1998; 98US-0113621P.
PR 23-DEC-1998; 98US-0114140P.
PR 12-JAN-1999; 99US-0115552P.
PR 22-JAN-1999; 99US-0116843P.
PR 23-MAR-1999; 99US-0125774P.
PR 23-MAR-1999; 99US-0125778P.
PR 24-MAR-1999; 99US-0125826P.
PR 31-MAR-1999; 99US-0127035P.
PR 05-APR-1999; 99US-0127706P.
PR 13-APR-1999; 99US-0129122P.
PR 21-APR-1999; 99US-0130359P.
PR 27-APR-1999; 99US-0131270P.
PR 27-APR-1999; 99US-0131272P.
PR 27-APR-1999; 99US-0131291P.
PR 04-MAY-1999; 99US-0132371P.
PR 04-MAY-1999; 99US-0132379P.
PR 04-MAY-1999; 99US-0132383P.
PR 14-MAY-1999; 99US-0132383P.
PR 25-MAY-1999; 99US-0135750P.
PR 08-JUN-1999; 99US-0138166P.
PR 20-JUL-1999; 99US-0144791P.
PR 03-AUG-1999; 99US-0146970P.
PR 29-OCT-1999; 99US-0162506P.
PR 02-DEC-1999; 99US-0162506P.
PR 22-DEC-1999; 99US-0162506P.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005601.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-AUG-2000; 2000WO-US023552.
PR 24-AUG-2000; 2000WO-US023338.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006530.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.

PR 09-JUN-2001; 2001WO-US021735.
PR 16-AUG-2001; 2001US-00931836.
XX
PA (GETH) GENENTECH INC.
XX
PI Desnoyers L, Eaton DJ, Goddard A, Godowski PJ, Gurney AL, Pan J;
PI Stewart TA, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI: 2003-341326/32.
DR P-PSDB; ABUS9094.
XX
PT New PRO polypeptides and nucleic acid molecules, useful for diagnosing or
PT treating diabetes mellitus, cancers, septic shock, inflammatory bowel
PT disease or asthma, or in gene therapy, chromosome identification or
PT tissue typing.

Claim 2, Fig 29; 196pp; English.

XX
PS The present invention relates to the isolation of novel human PRO
XX polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides and polynucleotides are useful in diagnosing or treating non
CC -insulin dependent diabetes mellitus, cancers, septic shock, rheumatoid
CC arthritis, graft-versus-host disease, stroke, cardiac ischaemia,
CC psoriasis, inflammatory bowel disease or asthma. The PRO polynucleotide
CC sequences may be used as hybridisation probes in chromosome and gene
CC mapping, or in generating antisense RNA and DNA. They are also useful in
CC preparing PRO polypeptides, in assays to identify other proteins or
CC molecules involved in binding reaction, to generate transgenic animals or
CC knockout animals, which in turn are useful in the development and
CC screening of therapeutically useful reagents, for chromosome
CC identification, and tissue typing. The PRO polypeptides and nucleic acid
CC molecules are also useful in gene therapy, and as molecular weight
CC markers for protein electrophoresis purposes. Anti-PRO antibodies may be
CC used in diagnostic assays for PRO polypeptides, or for the affinity
CC purification of the polypeptides from recombinant cell culture or natural
CC sources. The present sequence represents a cDNA encoding a human PRO
XX polypeptide of the invention

SO Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;

Query Match 100.0%; Score 890; DB 8; Length 890;

Best Local Similarity 100.0%; Pred. No. 1.2e-266;

Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AAGTACTTGTGTCGGGTGTGACTGATTAAGTCGCGACCTCGAAGCTGCTGCC 60
Db 1 AAGTACTTGTGTCGGGTGTGACTGATTAAGTCGCGACCTCGAAGCTGCTGCC 60
Qy 61 TTCTCCCTGTCCTTAACCGAGGTGCCATGAGTGTGACATGAGGCTGTCACAGCAGC 120
Db 61 TTCTCCCTGTCCTTAACCGAGGTGCCATGAGTGTGACATGAGGCTGTCACAGCAGC 120
Qy 121 ACTGTACTGGGTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
Db 121 ACTGTACTGGGTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
Qy 121 ACTGTACTGGGTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
Db 121 ACTGTACTGGGTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
Qy 181 CCATGAGGCTCTTTGACGAGACACCTTTTGGCAGAGGCTTGAAGTTTCTACCC 240
Db 181 CCATGAGGCTCTTTGACGAGACACCTTTTGGCAGAGGCTTGAAGTTTCTACCC 240
Qy 241 AGAGTTGGGGAACATTTGAGCTGCAAGTTGTTCTGATTTGAACAATGACAGAGAGAT 300
Db 241 AGAGTTGGGGAACATTTGAGCTGCAAGTTGTTCTGATTTGAACAATGACAGAGAGAT 300
Qy 301 CACCTCTGATGAGCGCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 360
Db 301 CACCTCTGATGAGCGCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 360
Qy 361 CTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
Db 361 CTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420

QY 421 ACATTGGCTGTGAACAGATATCAAGGCGCCGACTGAAAGAAAGGAAGTTCAGGGCCA 480
DB 421 ACATTGGCTGTGAACAGATATCAAGGCGCCGACTGAAAGAAAGGAAGTTCAGGGCCA 480
QY 481 GGAGTTATCAGCTACAGAGCTCCCTCCCGACGAGACAGTGGCTTCATCGCTACCA 540
DB 481 GGAGTTATCAGCTACAGAGCTCCCTCCCGACGAGACAGTGGCTTCATCGCTACCA 540
QY 541 GTTCTTTGTCTATCTTCAGAGAAAGAAAGTCTCTCTCTCTCCCAAGAAACAAAC 600
DB 541 GTTCTTTGTCTATCTTCAGAGAAAGAAAGTCTCTCTCTCTCCCAAGAAACAAAC 600
QY 601 TCGAGGCTCTTGAAAGTGAAGAGATTTCTGAACCGCTTCCACTGGCGCAACCTGAAGC 660
DB 601 TCGAGGCTCTTGAAAGTGAAGAGATTTCTGAACCGCTTCCACTGGCGCAACCTGAAGC 660
QY 661 AAGCAACCCAGTTTCATGACCCAGAACTACAGAGCTACCAACCTTCAGAGCTCCAGAG 720
DB 661 AAGCAACCCAGTTTCATGACCCAGAACTACAGAGCTACCAACCTTCAGAGCTCCAGAG 720
QY 721 AAGGCGCCAGCGCCCAAGCAACAAACAGAGAGATGCTGCTGATAGTGGCGGC 780
DB 721 AAGGCGCCAGCGCCCAAGCAACAAACAGAGAGATGCTGCTGATAGTGGCGGC 780
QY 781 TTTGGCATCCGGGAGTGTGGCCACACTGCTCACACGAGATGAGGTATGAACCCGC 840
DB 781 TTTGGCATCCGGGAGTGTGGCCACACTGCTCACACGAGATGAGGTATGAACCCGC 840
QY 841 TCTGATACAGAACCCCTTCTTCCAAATTAATTAATTAATTAATTAATTAATTAATTAAT 890
DB 841 TCTGATACAGAACCCCTTCTTCCAAATTAATTAATTAATTAATTAATTAATTAATTAAT 890

RESULT 7

ACA68612
ID ACA68612 standard; cDNA, 890 BP.

ACA68612;

25-JUN-2003 (first entry)

DE Novel human secreted and transmembrane protein PRO4408 cDNA.

Human, secreted and transmembrane protein; PRO; cardiac; cytosolic;
antiangiogenic; hypotensive; vulnery; antiarteriosclerotic;
gene therapy; cardiovascular disorder; endothelial disorder;
angiogenic disorder; cardiac hypertrophy; trauma; cancer;
age-related macular degeneration; atherosclerosis; hypertension;
arterial stenosis; rheumatoid arthritis; angina; myocardial infarction;
thrombophilic; lymphangitis; tumour angiogenesis; breast carcinoma;
liver carcinoma; wound healing; chromosome mapping; gene mapping; gene;
ss.

Homo sapiens.

US2003088063-A1.

08-MAY-2003.

12-AUG-2002; 2002US-00219003.

25-JUL-2000; 2000US-0220664P.

01-JUN-2001; 2001WO-US017800.

29-JUN-2001; 2001WO-US021066.

09-APR-2002; 2002US-00119480.

(GETH) GENENTECH INC.

Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ,
Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI,
WPI; 2003-393229/37.
P-PSDB; ABU82163.

XX One hundred and eighty seven nucleic acids encoding PRO polypeptides.
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
infarction), endothelial or angiogenic disorders in a mammal.
PS Claim 2, Fig 231; 314pp; English.
XX The invention describes one hundred and eighty seven nucleic acids
CC encoding novel human secreted and transmembrane (PRO) polypeptides. The
CC PRO nucleic acids, polypeptides, agonists and antagonists are useful for
CC treating or diagnosing a cardiovascular, endothelial or angiogenic
CC disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-
CC related macular degeneration, atherosclerosis, hypertension, arterial
CC stenosis, rheumatoid arthritis, angina, myocardial infarctions,
CC thrombophilic, lymphangitis, tumour angiogenesis (such as breast
CC carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids
CC have applications in molecular biology, including use as hybridisation
CC probes, and in chromosome and gene mapping. This sequence encodes a novel
CC human secreted and transmembrane PRO polypeptide

SQ Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;

Query Match 100.0%; Score 890; DB 8; Length 890;

Best Local Similarity 100.0%; Pred. No. 1.2e-266; Mismatches 0; Indels 0; Gaps 0;

Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGTACTGTGTCCGGGTGTGTGATGATTAAGCTCGAGCCCTGAAAGTCCCTGTCC 60
DB 1 AAGTACTGTGTGTCCGGGTGTGTGATGATTAAGCTCGAGCCCTGAAAGTCCCTGTCC 60
QY 61 TTTCCCTGTGTGATTAAGAGAGTGGCCATGGGTGAGAAATGAGGTGTGACAGCAGC 120
DB 61 TTTCCCTGTGTGATTAAGAGAGTGGCCATGGGTGAGAAATGAGGTGTGACAGCAGC 120
QY 121 ACTGTACTGGTGTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
DB 121 ACTGTACTGGTGTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
QY 181 CCATGAGGCTCTTGTGAGAGAGACACCTCTTTTGGCCAGGCGCTTGAAGTTTACCC 240
DB 181 CCATGAGGCTCTTGTGAGAGAGACACCTCTTTTGGCCAGGCGCTTGAAGTTTACCC 240
QY 241 AAGATTGGGGAACATTGGCTGCAAGTTGTTCTGATGTAACAATCAGACAGAGAT 300
DB 241 AAGATTGGGGAACATTGGCTGCAAGTTGTTCTGATGTAACAATCAGACAGAGAT 300
QY 301 CACTCTCTGATGAGCCGATAGTCAAGTTCCCGGGGGCCGTGACGGGCAACCTATAT 360
DB 301 CACTCTCTGATGAGCCGATAGTCAAGTTCCCGGGGGCCGTGACGGGCAACCTATAT 360
QY 361 CCGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
DB 361 CCGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
QY 421 ACATTGGCTGTGAACAGATATCAAGGCGCCGACTGAAAGAAAGGAAGATTCAAGGCCA 480
DB 421 ACATTGGCTGTGAACAGATATCAAGGCGCCGACTGAAAGAAAGGAAGATTCAAGGCCA 480
QY 481 GGAATTATCAGCTACAGAGCTCCCTCCCGACGAGACAGTGGCTTCATCGCTACCA 540
DB 481 GGAATTATCAGCTACAGAGCTCCCTCCCGACGAGACAGTGGCTTCATCGCTACCA 540
QY 541 GTTCTTTGTCTATCTTCAGAGAAAGAAAGTCTCTCTCTCTCCCAAGAAACAAAC 600
DB 541 GTTCTTTGTCTATCTTCAGAGAAAGAAAGTCTCTCTCTCTCCCAAGAAACAAAC 600
QY 601 TCGAGGCTCTTGAAAGTGAAGAGATTTCTGAACCGCTTCCACTGGCGCAACCTGAAGC 660
DB 601 TCGAGGCTCTTGAAAGTGAAGAGATTTCTGAACCGCTTCCACTGGCGCAACCTGAAGC 660
QY 661 AAGCAACCCAGTTTCATGACCCAGAACTACAGAGCTACCAACCTTCAGAGCTCCAGAG 720
DB 661 AAGCAACCCAGTTTCATGACCCAGAACTACAGAGCTACCAACCTTCAGAGCTCCAGAG 720

QY 721 AAGGCGCCAGCCAGCCAGCAAAACCGAGCAGATAGTCTGCTAGATAGCCGCGC 780
DB 721 AAGGCGCCAGCCAGCCAGCAAAACCGAGCAGATAGTCTGCTAGATAGCCGCGC 780
QY 781 TTGGCATTCCGGGCGCATGTGGCCACACTGCTCAACCCAGCAGATGTGGTATGAAACCCCGC 840
DB 781 TTGGCATTCCGGGCGCATGTGGCCACACTGCTCAACCCAGCAGATGTGGTATGAAACCCCGC 840
QY 841 TCTGATATACAGAACCCCTTCTTCCAAATTAATAAATAATCATCAAA 890
DB 841 TCTGATATACAGAACCCCTTCTTCCAAATTAATAAATAATCATCAAA 890
RESULT 8
ACA67736
ID ACA67736 standard; cDNA, 890 BP.
XX
AC ACA67736;
XX
DT 24-JUN-2003 (first entry)
XX
DE cDNA encoding human secreted polypeptide PRO4408.
XX
KW Human; gene; ss; inflammatory disease; organ failure; atherosclerosis;
KW cardiac injury; infertility; birth defect; premature aging; AIDS; cancer;
KW differentiation disorder; cell adhesion disorder; skin disorder;
KW neural receptor disorder; diabetic complication; tissue typing.
XX
OS Homo sapiens.
XX
PN US202192751-A1.
XX
PD 19-DEC-2002.
XX
PF 26-DEC-2001; 2001US-00036041.
XX
PR 15-MAY-1998; 98US-0085579P.
PR 15-DEC-1998; 98US-0112514P.
PR 22-DEC-1998; 98US-0113300P.
PR 23-DEC-1998; 98US-0113430P.
PR 23-DEC-1998; 98US-0113605P.
PR 23-DEC-1998; 98US-0114142P.
PR 23-DEC-1998; 98US-0115552P.
PR 12-JAN-1999; 99US-0116843P.
PR 22-JAN-1999; 99US-0125774P.
PR 23-MAR-1999; 99US-0125778P.
PR 24-MAR-1999; 99US-0125826P.
PR 31-MAR-1999; 99US-0127035P.
PR 05-APR-1999; 99US-0127706P.
PR 13-APR-1999; 99US-0129122P.
PR 21-APR-1999; 99US-0130359P.
PR 27-APR-1999; 99US-0131272P.
PR 27-APR-1999; 99US-0131291P.
PR 04-MAY-1999; 99US-0132371P.
PR 04-MAY-1999; 99US-0132379P.
PR 04-MAY-1999; 99US-0132383P.
PR 14-MAY-1999; 99US-0135750P.
PR 25-MAY-1999; 99US-0135750P.
PR 08-JUN-1999; 99US-0144791P.
PR 20-JUL-1999; 99US-0146970P.
PR 03-AUG-1999; 99US-0162506P.
PR 29-OCT-1999; 99US-0162506P.
PR 02-DEC-1999; 99US-0162506P.
PR 01-MAR-2000; 2000WO-US030720.
PR 02-MAR-2000; 2000WO-US005841.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.

PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017880.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 16-AUG-2001; 2001US-00931836.
XX
XX (GETH) GENENTECH INC.
XX
XX Deenoyers J, Eaton DL, Goddard A, Godowski PJ, Gurney AL, Pan J;
PI Stewart TA, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2003-341079/32.
DR P-PSDB; ABU81558.
XX
XX New secreted and transmembrane nucleic acids and polypeptides, designated
PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
PT cancer.
XX
XX Claim 2; Fig 29; 195pp; English.
PS
XX
XX The invention relates to an isolated nucleic acid that encodes a PRO
CC polypeptide. The nucleic acids and polypeptides are useful for treating
CC inflammatory diseases, organ failure, atherosclerosis, cardiac injury,
CC infertility, birth defects, premature aging, acquired immunodeficiency
CC syndrome (AIDS), cancer, differentiation disorders, cell adhesion
CC disorders, neural receptor disorders, skin disorders or diabetic
CC complications. The nucleic acids are useful as hybridisation probes, in
CC chromosome and gene mapping and in generating antisense RNA or DNA. The
CC polypeptides are useful as pharmaceuticals, diagnostics, biosensors or
CC bioreactors. Both are useful in tissue typing. The present sequence
CC represents a cDNA encoding a PRO polypeptide of the invention
XX
SQ Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;
Query Match 100.0%; Score 890; DB 9; Length 890;
Best Local Similarity 100.0%; Pred. No. 1.2e-266;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AAGTACTTGTGTCGGGCTGTGACTGATTAAGTGGCGAGCCCTGGAAGCTGCTGCC 60
DB 1 AAGTACTTGTGTCGGGCTGTGACTGATTAAGTGGCGAGCCCTGGAAGCTGCTGCC 60
QY 61 TTCTCCCTGTGCTTAACCAAGAGTGCCCATGAGTTGCAATGAGGCTGTACAGCAGC 120
DB 61 TTCTCCCTGTGCTTAACCAAGAGTGCCCATGAGTTGCAATGAGGCTGTACAGCAGC 120
QY 121 ACTGTACTGGGTCTCATGATGTGTGCTCATGAGAGCAAGATAGAACACCCGTGTGC 180
DB 121 ACTGTACTGGGTCTCATGATGTGTGCTCATGAGAGCAAGATAGAACACCCGTGTGC 180
QY 181 CCATGAGGCCCTCTTGAACGAGACACCTCTTTTGCAGAGGCTTGAAGTTTCTACCC 240
DB 181 CCATGAGGCCCTCTTGAACGAGACACCTCTTTTGCAGAGGCTTGAAGTTTCTACCC 240
QY 241 AAGTGTGGGGAACATTGGCTGCAAGTTGTTCTGATTGTAACTACAGAGAAGAT 300
DB 241 AAGTGTGGGGAACATTGGCTGCAAGTTGTTCTGATTGTAACTACAGAGAAGAT 300
QY 301 CACTCTCTGATGAGAGCCGATATGCAAGTTCCCGGGGCGGTGAGCGGCGCACTATAT 360
DB 301 CACTCTCTGATGAGAGCCGATATGCAAGTTCCCGGGGCGGTGAGCGGCGCACTATAT 360
QY 361 CCTGTGATGGTGTATCAAGATGCGCTTACGAGAGCAAGCCAGACAGAGATTCTGAG 420
DB 361 CCTGTGATGGTGTATCAAGATGCGCTTACGAGAGCAAGCCAGACAGAGATTCTGAG 420
QY 421 ACATTGGCTGTATCAAGATATCAAGGCGCGGACCTTGAAGAGGAAGATTACGGGCCA 480
DB 421 ACATTGGCTGTATCAAGATATCAAGGCGCGGACCTTGAAGAGGAAGATTACGGGCCA 480

Dp	61	TTCTCCCTGTGCTTAAACAGAGAGTGGCCATGGTTGGACAATTAGAGCTGTACACAGAC	120			
Oy	121	ACTGTTACAGGGCTCTTCATGATGCTGTGCACTGGAGA	CGAGATGAGAACAGCCCGTGTGC	180		
Dp	121	ACTGTTACAGGGCTCTTCATGATGCTGTGCACTGGAGA	CGAGATGAGAACAGCCCGTGTGC	180		
Oy	181	CCATGAGGCCCTCTTGGACGAGAGCACCCCTCTTTGGCCAGGGCCTTGAAATTGTTCTTACC	240			
Dp	181	CCATGAGGCCCTCTTGGACGAGAGCACCCCTCTTTGGCCAGGGCCTTGAAATTGTTCTTACC	240			
Oy	241	AGAGTTGGGGGAACATTGGCTGCAAGGTTGTCTGTATTGTAACTTACACAGACAGAAAGAT	300			
Dp	241	AGAGTTGGGGGAACATTGGCTGCAAGGTTGTCTGTATTGTAACTTACACAGACAGAAAGAT	300			
Oy	301	CACCTCCCTGGATGAGGACGATAGTCAAGTTCCCGGGGGGCGGTGAGAGGGGCAACCTAAT	360			
Dp	301	CACCTCCCTGGATGAGGACGATAGTCAAGTTCCCGGGGGGCGGTGAGAGGGGCAACCTAAT	360			
Oy	361	CCTGGTGATGTGTGATCCAGATGCCCTCTAGCAGAGAGAGAACCCAGA	CAGAGATTTCTGAG	420		
Dp	361	CCTGGTGATGTGTGATCCAGATGCCCTCTAGCAGAGAGAGAACCCAGA	CAGAGATTTCTGAG	420		
Oy	421	ACATTGGCTGTAAACAGATATCAAGGGCGCCGACCTGAAGAAAGGAAAGTTCAAGGGCCA	480			
Dp	421	ACATTGGCTGTAAACAGATATCAAGGGCGCCGACCTGAAGAAAGGAAAGTTCAAGGGCCA	480			
Oy	481	GGAGTTATACGCTTACCGAGGCTGCCCTCCCA	CCGGACACAGTGGCTTCCATCGTTACCA	540		
Dp	481	GGAGTTATACGCTTACCGAGGCTGCCCTCCCA	CCGGACACAGTGGCTTCCATCGTTACCA	540		
Oy	541	GTTCTTTGTCTAATCTTACAGGAAGAA	AATCATCTCTCTCTTCCCAAGAAACAAAC	600		
Dp	541	GTTCTTTGTCTAATCTTACAGGAAGAA	AATCATCTCTCTCTTCCCAAGAAACAAAC	600		
Oy	601	TCGAGGCTCTTGGAAAAATGSA	CGAGATTTCTGAA	CCGCTTCCACCTGGGCGAA	CTGAAAGC	660
Dp	601	TCGAGGCTCTTGGAAAAATGSA	CGAGATTTCTGAA	CCGCTTCCACCTGGGCGAA	CTGAAAGC	660
Oy	661	AAGCAACCAAGTTCAATGACCCAGAACCTACAGAGCTCA	CAACCAACCCCTCAGGCTTCCAGAGG	720		
Dp	661	AAGCAACCAAGTTCAATGACCCAGAACCTACAGAGCTCA	CAACCAACCCCTCAGGCTTCCAGAGG	720		
Oy	721	AAGGCGCCAGCGAGCCCAAGCAAAAC	CAAGGAGAGTATGCTGCTGTTAGATATGCGGC	780		
Dp	721	AAGGCGCCAGCGAGCCCAAGCAAAAC	CAAGGAGAGTATGCTGCTGTTAGATATGCGGC	780		
Oy	781	TTTGGCATATCCGGGCAATGTGGCCACACTGCTCAC	ACCGACGATGTGGGTATGAAACCCCC	840		
Dp	781	TTTGGCATATCCGGGCAATGTGGCCACACTGCTCAC	ACCGACGATGTGGGTATGAAACCCCC	840		
Oy	841	TCGTGATTCAGAACCCCTCTTTTCCAAATTAAAAA	AAAAATCATCAAA	890		
Dp	841	TCGTGATTCAGAACCCCTCTTTTCCAAATTAAAAA	AAAAATCATCAAA	890		

RESULT 10
ABT44341
ID ABT44341 standard; cDNA; 890 BP.
XX
AC ABT44341;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human PRO4408 cDNA.
XX
KX PRO: proliferation; pericyte cell; TNF-alpha; blood; chondrocyte; ssr
KM differentiation; dermal fibroblast; tumour; gene therapy; gene;
KM cytosolic.
XX
OS Homo sapiens.
XX
PN US2003050448-A1.
XX

BD 13-MAR-2003.
XX
XX 28-AUG-2002; 2002US-00230414.
XX
XX 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
XX
XX (GETH) GENENTECH INC.
XX
XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ,
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI,
XX MPI; 2003-521818/49.
XX
XX P-PSDB; ABJ72343.
DR
XX
XX New nucleic acid encoding for a PRO protein, useful for the manufacture
PT of a medicament for diagnosing or treating tumors or for measuring or
PT detecting expression of an associated gene.
XX
XX Claim 2; Fig 231; 315pp; English.
XX

CC The invention relates to a novel isolated nucleic acid encoding a fully
CC defined PRO polypeptide. The molecules of the invention may be useful for
CC stimulating proliferation or gene expression in pericyte cells or the
CC release of TNF- α from human blood. Other possible uses include the
CC stimulation or inhibition of chondrocyte proliferation or
CC differentiation, the stimulation of human dermal fibroblast cell
CC proliferation and the detection of the presence of a tumour within a
CC mammal. Furthermore, the nucleic acid may be useful for the manufacture
CC of a medicament for diagnosing or treating a tumour within a mammal or
CC for measuring or detecting the expression of an associated gene, as well
CC as during gene therapy. The current sequence is that of the human PRO
CC cDNA of the invention
XX
SQ Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;

Query Match	100.0%;	Score 890;	DB 9;	Length 890;
Best Local Similarity	100.0%;	Pred. No. 1.2e-266;		
Matches 890; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0

OY	1	AAGTACTTGTGTCCGGGTGTGTGGACTGTGATTAGCTGTCCGAACTCTGGAACTGCTGTCC	60
Dp	1	AAGTACTTGTGTCCGGGTGTGTGGACTGTGATTAGCTGTCCGAACTCTGGAACTGCTGTCC	60
OY	61	TTCTCCCTGTGCTTAAACGAGAGTGCCCATGAGGTGTGAACAATGAGGCTGTGCACAGAGC	120
Dp	61	TTCTCCCTGTGCTTAAACGAGAGTGCCCATGAGGTGTGAACAATGAGGCTGTGCACAGAGC	120
OY	121	ACTGTTACTAGGAGTCTCAGTANTGATGTGTCACGTGAGACGAGGATGAGAACAGCCCGTGC	180
Dp	121	ACTGTTACTAGGAGTCTCAGTANTGATGTGTCACGTGAGACGAGGATGAGAACAGCCCGTGC	180
OY	181	CCATGAGGCCCTCTTGTGACGAGAACACCTCTTTTCCAGGAGCCTTGAAATTCTTACC	240
Dp	181	CCATGAGGCCCTCTTGTGACGAGAACACCTCTTTTCCAGGAGCCTTGAAATTCTTACC	240
OY	241	AGAGTTGGGGAACATTGCGCTGCAGAGTTGTTCTGATTGTAAACACTACAGACAGAAAT	300
Dp	241	AGAGTTGGGGAACATTGCGCTGCAGAGTTGTTCTGATTGTAAACACTACAGACAGAAAT	300
OY	301	CACCTTCTGTGATGAGCCGATATGTCAGTATCCCGGGGCGCTGGAACGCGCAACTTAT	360
Dp	301	CACCTTCTGTGATGAGCCGATATGTCAGTATCCCGGGGCGCTGGAACGCGCAACTTAT	360
OY	361	CCGTGATGATGATGATCCAGATGCCCCCTTAGACAGACACAACCCAGACAGAGATTCTGAG	420
Dp	361	CCGTGATGATGATGATCCAGATGCCCCCTTAGACAGACACAACCCAGACAGAGATTCTGAG	420
OY	421	ACATTGAGCTGTAAACAGATATCAAGGCGCGACCTGAAGAAAGGAAAGATTCCAGGCCA	480
Dp	421	ACATTGAGCTGTAAACAGATATCAAGGCGCGACCTGAAGAAAGGAAAGATTCCAGGCCA	480

QY 481 GGAGTTATCAGCTTACAGGCTTCCCTCCACCGGCAACAAGTGGCTTCATCGCTACCA 540
DB 481 GGAGTTATCAGCTTACAGGCTTCCCTCCACCGGCAACAAGTGGCTTCATCGCTACCA 540
QY 541 GTTCTTGTCTATCTTCAGAGAAAGTCACTCTCTCTCTCCCAAGAAACAAAC 600
DB 541 GTTCTTGTCTATCTTCAGAGAAAGTCACTCTCTCTCTCCCAAGAAACAAAC 600
QY 601 TCGAGGCTCTTGAAATAATGACAGATTCTTGAACCGCTTCACTGGGCGAACTGAAGC 660
DB 601 TCGAGGCTCTTGAAATAATGACAGATTCTTGAACCGCTTCACTGGGCGAACTGAAGC 660
QY 661 AAGCACCAGTTTCATGACCCAGAACCTACAGAGACTCCACACCTTCAGAGCTCCAGAGG 720
DB 661 AAGCACCAGTTTCATGACCCAGAACCTACAGAGACTCCACACCTTCAGAGCTCCAGAGG 720
QY 721 AAGGGCCAGCGAGCCCAAGCAACAAACAGAGAGATAGCTGCTGTAGTACCGGAC 780
DB 721 AAGGGCCAGCGAGCCCAAGCAACAAACAGAGAGATAGCTGCTGTAGTACCGGAC 780
QY 781 TTTCGCATCCGGGCAATGTGGCCACACTGCTCAACCGAGATGTGGGTATGAAACCCGC 840
DB 781 TTTCGCATCCGGGCAATGTGGCCACACTGCTCAACCGAGATGTGGGTATGAAACCCGC 840
QY 841 TCTGATACAGAACCCCTCTTTCCTCAATTAAAAAATATCATCAA 890
DB 841 TCTGATACAGAACCCCTCTTTCCTCAATTAAAAAATATCATCAA 890

RESULT 11

ABT44624
ID ABT44624 standard; cDNA; 890 BP.

AC ABT44624;

DT 06-NOV--2003 (first entry)

DE Human PRO4408 cDNA.

XX PRO; proliferation; gene; pericyte cell; TNF alpha; chondrocyte; blood;
XX tumour necrosis factor; proliferation; differentiation; gene therapy;
XX dermal fibroblast; 88.

OS Homo sapiens.

PN US2003027988-A1.

PD 06-FEB-2003.

PF 26-AUG-2002; 2002US-00227884.

PR 01-JUN-2001; 2001WO-US017800.

PR 29-JUN-2001; 2001WO-US021066.

PR 09-APR-2002; 2002US-00119480.

PA (GENTH) GENTECH INC.

PI Baker KP, Desnoyers L, Gerlitsen ME, Goddard A, Godowski PJ,
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI,
PI MPI, 2003-503301/47.

DR P-PSDB; ABJ72471.

PT New PRO protein encoding nucleic acid, useful for preparing PRO
PT polypeptides and anti-PRO antibodies for detecting the presence of a
PT tumor in a mammal.

PS Claim 2; Fig 231; 324pp; English.

CC The invention relates to a novel isolated PRO protein encoding nucleic
CC acid. The nucleic acid of the invention may be useful for preparing PRO
CC polypeptides and anti-PRO antibodies for detecting the presence of a
CC tumour in a mammal. Furthermore, the molecules of the invention may be

CC useful for stimulating proliferation or gene expression in pericyte
CC cells, the release of tumour necrosis factor (TNF)-alpha from human
CC blood, the proliferation or differentiation of chondrocyte cells and for
CC inhibiting the proliferation of normal human dermal fibroblast cells.
CC Finally, the molecules may be utilised during gene therapy. The current
CC sequence is that of the human PRO cDNA of the invention
XX

SQ Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;

Query Match 100.0%; Score 890; DB 9; Length 890;

Best Local Similarity 100.0%; Pred.No.1.2e-266;

Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGTACTTGTGTCCGGGTGTGTGATGATTAAGTCTGAGCCCTGGAAGCTCTGTCC 60
DB 1 AAGTACTTGTGTCCGGGTGTGTGATGATTAAGTCTGAGCCCTGGAAGCTCTGTCC 60
QY 61 TTCTCCCTGTCTTAACAGAGGTGCCATGGCTTGAACATGAGCTGTCAACAGACG 120
DB 61 TTCTCCCTGTCTTAACAGAGGTGCCATGGCTTGAACATGAGCTGTCAACAGACG 120
QY 121 ACTGTTACTGGTCTCATGATGTGTGCTCACTGAGACAGAGATGAGAACGCCGTGTC 180
DB 121 ACTGTTACTGGTCTCATGATGTGTGCTCACTGAGACAGAGATGAGAACGCCGTGTC 180
QY 181 CCATGAGGCCCTCTTGAAGAGAGACACCTCTTTGCGAGGCTTTGAAGTTTCTACCC 240
DB 181 CCATGAGGCCCTCTTGAAGAGAGACACCTCTTTGCGAGGCTTTGAAGTTTCTACCC 240
QY 241 AGAGTTGGGGAAACATTGGCGTGAAGTTGTCTGATTTGTAACATCTACAGCAAGAT 300
DB 241 AGAGTTGGGGAAACATTGGCGTGAAGTTGTCTGATTTGTAACATCTACAGCAAGAT 300
QY 301 CACCTCTGATGAGACCGCATAGTCAAGTTCCCGGGGGCCGTGACGGCGCAACCTATAT 360
DB 301 CACCTCTGATGAGACCGCATAGTCAAGTTCCCGGGGGCCGTGACGGCGCAACCTATAT 360
QY 361 CCGTGTGATGTGTGATCCAGATGCCCCCTTAGCAGACGAAACCAACAGATTTCTGAG 420
DB 361 CCGTGTGATGTGTGATCCAGATGCCCCCTTAGCAGACGAAACCAACAGATTTCTGAG 420
QY 421 ACATTTGGCTGTAAACAGATATCAAGGGCGCGACCTTGAAGAAAGGAAGATTCAAGGGCA 480
DB 421 ACATTTGGCTGTAAACAGATATCAAGGGCGCGACCTTGAAGAAAGGAAGATTCAAGGGCA 480
QY 481 GGAGTTATCAGCTTACAGGCTTCCCTCCACCGGCAACAAGTGGCTTCATCGCTACCA 540
DB 481 GGAGTTATCAGCTTACAGGCTTCCCTCCACCGGCAACAAGTGGCTTCATCGCTACCA 540
QY 541 GTTCTTGTCTATCTTCAGAGAAAGTCACTCTCTCTCTCCCAAGAAACAAAC 600
DB 541 GTTCTTGTCTATCTTCAGAGAAAGTCACTCTCTCTCTCCCAAGAAACAAAC 600
QY 601 TCGAGGCTCTTGAAATAATGACAGATTCTTGAACCGCTTCACTGGGCGAACTGAAGC 660
DB 601 TCGAGGCTCTTGAAATAATGACAGATTCTTGAACCGCTTCACTGGGCGAACTGAAGC 660
QY 661 AAGCACCAGTTTCATGACCCAGAACCTACAGAGACTCCACACCTTCAGAGCTCCAGAGG 720
DB 661 AAGCACCAGTTTCATGACCCAGAACCTACAGAGACTCCACACCTTCAGAGCTCCAGAGG 720
QY 721 AAGGGCCAGCGAGCCCAAGCAACAAACAGAGAGATAGCTGCTGTAGTACCGGAC 780
DB 721 AAGGGCCAGCGAGCCCAAGCAACAAACAGAGAGATAGCTGCTGTAGTACCGGAC 780
QY 781 TTTCGCATCCGGGCAATGTGGCCACACTGCTCAACCGAGATGTGGGTATGAAACCCGC 840
DB 781 TTTCGCATCCGGGCAATGTGGCCACACTGCTCAACCGAGATGTGGGTATGAAACCCGC 840
QY 841 TCTGATACAGAACCCCTCTTTCCTCAATTAAAAAATATCATCAA 890
DB 841 TCTGATACAGAACCCCTCTTTCCTCAATTAAAAAATATCATCAA 890

RESULT 12
ACD82291
ID ACD82291 standard; cDNA, 890 BP.
XX
AC ACD82291;
XX
19-SEP-2003 (first entry)
XX
Human secreted/transmembrane polypeptide PRO 4405 cDNA.
DE
XX
Human; ss; chondrocyte stimulation; TNF-alpha stimulation; gene therapy;
KW human dermal fibroblast stimulation; tumour; tissue typing; gene;
KW affinity purification.
XX
OS Homo sapiens.
XX
PN US2003044934-A1.
XX
06-MAR-2003.
XX
28-AUG-2002; 2002US-00230338.
XX
01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerlitsen ME, Goddard A, Godowski PJ,
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
DR WPI: 2003-492274/46.
DR P-PSDB; AEO34366.
XX
New transmembrane polypeptides and nucleic acids encoding the
PT polypeptides, useful in gene therapy, in chromosome identification, as
PT chromosome markers, or in generating probes.
XX
PS Claim 2; Fig 231, 315pp; English.
XX
The invention relates to an isolated nucleic acid encoding a PRO
CC polypeptide. Nucleic acids that encode PRO can be used to generate either
CC transgenic animals or knock-out animals useful in developing and
CC screening of therapeutically useful reagents. The nucleic acids may also
CC be used in gene therapy for replacing defective gene, in chromosome
CC identification, as chromosome markers, or in generating probes to isolate
CC full length PRO cDNA. The PRO polypeptides are useful for chondrocyte
CC stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation
CC and for detecting the presence of tumour in an animal. The PRO
CC polypeptides are useful as molecular markers for protein electrophoresis
CC and the isolated nucleic acids may be used for recombinantly expressing
CC those markers. The PRO polypeptides and nucleic acids may also be used in
CC tissue typing. Anti-PRO antibodies are useful in diagnostic assays for
CC PRO and in affinity purification of PRO from recombinant cell culture or
CC natural sources. The present sequence represents cDNA encoding a human
CC secreted/transmembrane PRO polypeptide
XX
SQ Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;
Query Match 100.0%; Score 890; DB 9; Length 890;
Best Local Similarity 100.0%; Pred. No. 1,2e-266;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AAGTACTGTGTCCGGGTGTGAGTGTGAGTGTGCGAGCCCTGGAAGTGTGCTGCC 60
DB 1 AAGTACTGTGTCCGGGTGTGAGTGTGAGTGTGCGAGCCCTGGAAGTGTGCTGCC 60
QY 61 TTCTCCCGTGTGCTTAACGAGAGGTGCCATGTGGTGGACATGAGGCTGTCAACGAGC 120
DB 61 TTCTCCCGTGTGCTTAACGAGAGGTGCCATGTGGTGGACATGAGGCTGTCAACGAGC 120
QY 121 ACTGTACTGGGTCTCATGATGTGTGCTCATGTGAGACGAGATGAGAACACCCGCTGTGC 180

DB 121 ACTGTACTGGGTCTCATGATGTGTGCTCATGTGAGACGAGATGAGAACACCCGCTGTGC 180
QY 181 CCATGAGGCCCTCTTTGACGAGACACCCCTTTTGGCAGGCGCTTGAAGTTTCTACCC 240
DB 181 CCATGAGGCCCTCTTTGACGAGACACCCCTTTTGGCAGGCGCTTGAAGTTTCTACCC 240
QY 241 AGAGTGGGGAACATGTGGCTGCAAGGTGTCTGATTGTGAACAATCAAGACGAAAT 300
DB 241 AGAGTGGGGAACATGTGGCTGCAAGGTGTCTGATTGTGAACAATCAAGACGAAAT 300
QY 301 CACCTCTGATGAGCGCATGATGCAAGTTCCCGGCGCGCTGTGACGCGCACTTAAT 360
DB 301 CACCTCTGATGAGCGCATGATGCAAGTTCCCGGCGCGCTGTGACGCGCACTTAAT 360
QY 361 CCTGTGATGTGATTCAGATGCGCCCTAGCAGACGAGAACCCAGACGAGATTTCTGAG 420
DB 361 CCTGTGATGTGATTCAGATGCGCCCTAGCAGACGAGAACCCAGACGAGATTTCTGAG 420
QY 421 ACATTGGCTGGTAAACAGATTAACAAGGGGCGGACCTGTAAGAAAGGAAGATTCAAGGGCA 480
DB 421 ACATTGGCTGGTAAACAGATTAACAAGGGGCGGACCTGTAAGAAAGGAAGATTCAAGGGCA 480
QY 481 GGAATTATCAGCTTACGAGGCTCCCTCCCAACCGGACACAGTGGCTTTCATTCGCTACA 540
DB 481 GGAATTATCAGCTTACGAGGCTCCCTCCCAACCGGACACAGTGGCTTTCATTCGCTACA 540
QY 541 GTTCTTTGTCTATCTTTCAGAGAAAGAAAGTATCTCTCTCTTCCAGAAACAAAC 600
DB 541 GTTCTTTGTCTATCTTTCAGAGAAAGAAAGTATCTCTCTCTTCCAGAAACAAAC 600
QY 601 TCGAGGCTTTGAAATGAGCAGATTTCTGACCGGCTTCACCTGGGCGGAACCTGAAGC 660
DB 601 TCGAGGCTTTGAAATGAGCAGATTTCTGACCGGCTTCACCTGGGCGGAACCTGAAGC 660
QY 661 AAGCACCAGTTCATGACCCAGAACTACAGAGCTCAACACCTCCAGGCTCCAGAGG 720
DB 661 AAGCACCAGTTCATGACCCAGAACTACAGAGCTCAACACCTCCAGGCTCCAGAGG 720
QY 721 AAGGCGCAGCGAGCCCAAGCAAAACAGGCAAGATAGTCTGCTGTAGATGCGCGC 780
DB 721 AAGGCGCAGCGAGCCCAAGCAAAACAGGCAAGATAGTCTGCTGTAGATGCGCGC 780
QY 781 TTTCGCAATCCGGGATGTGGCACAATGCTCAACCGAGAGATGAGGATGAGAACCCCC 840
DB 781 TTTCGCAATCCGGGATGTGGCACAATGCTCAACCGAGAGATGAGGATGAGAACCCCC 840
QY 841 TCTGATTAAGAACCCCTTTCTTCCAAATTAATAAATAATCATCAAA 890
DB 841 TCTGATTAAGAACCCCTTTCTTCCAAATTAATAAATAATCATCAAA 890
RESULT 13
ACD42298
ID ACD42298 standard; cDNA, 890 BP.
XX
AC ACD42298;
XX
05-SEP-2003 (first entry)
XX
Human cDNA encoding secreted/transmembrane protein PRO4408.
DE
XX
Human; ss; gene, PRO; secreted protein; transmembrane protein;
KW septic shock; gene therapy.
XX
OS Homo sapiens.
XX
PN US2003044842-A1.
XX
06-MAR-2003.
PD 26-DEC-2001; 2001US-00036160.
PF
XX

PR 15-MAY-1998; 98US-0085579P.
PR 15-DEC-1998; 98US-0112514P.
PR 22-DEC-1998; 98US-0113300P.
PR 23-DEC-1998; 98US-0113430P.
PR 23-DEC-1998; 98US-0113605P.
PR 23-DEC-1998; 98US-0113621P.
PR 23-DEC-1998; 98US-0114140P.
PR 12-JAN-1999; 99US-0115552P.
PR 22-JAN-1999; 99US-0116843P.
PR 23-MAR-1999; 99US-0125774P.
PR 24-MAR-1999; 99US-0125778P.
PR 31-MAR-1999; 99US-0125826P.
PR 05-APR-1999; 99US-0127035P.
PR 13-APR-1999; 99US-0129122P.
PR 21-APR-1999; 99US-0130359P.
PR 27-APR-1999; 99US-0131270P.
PR 27-APR-1999; 99US-0131272P.
PR 04-MAY-1999; 99US-0132371P.
PR 04-MAY-1999; 99US-0132379P.
PR 14-MAY-1999; 99US-0132383P.
PR 25-MAY-1999; 99US-05010733.
PR 08-JUN-1999; 99US-0135750P.
PR 20-JUL-1999; 99US-0144791P.
PR 03-AUG-1999; 99US-0146970P.
PR 29-OCT-1999; 99US-0162506P.
PR 02-DEC-1999; 99US-05028551.
PR 22-DEC-1999; 99US-05030720.
PR 01-MAR-2000; 2000US-05005601.
PR 02-MAR-2000; 2000US-05005841.
PR 22-MAY-2000; 2000US-05014042.
PR 02-JUN-2000; 2000US-05015264.
PR 23-AUG-2000; 2000US-05023322.
PR 24-AUG-2000; 2000US-05023328.
PR 01-DEC-2000; 2000US-0502678.
PR 20-DEC-2000; 2000US-05034956.
PR 28-FEB-2001; 2001US-05006520.
PR 01-JUN-2001; 2001US-05017800.
PR 20-JUN-2001; 2001US-05019692.
PR 29-JUN-2001; 2001US-05021066.
PR 09-JUL-2001; 2001US-05021735.
PR 16-AUG-2001; 2001US-00931836.

(GENTH) GENENTECH INC.

Desnoyers L, Eaton DL, Goddard A, Godowski PJ, Gurney AL, Pan J,
Stewart TA, Matanabe CK, Wood WT, Zhang Z,
WPI: 2003-492260/46.
P-PSDB; ABO25141.

Novel secreted and transmembrane polypeptide for identifying agonists or
antagonists of polypeptide, and as molecular weight markers.

Claim 2; Fig 29; 195pp; English.

XX The invention relates to an isolated, secreted and transmembrane
XX polypeptide, termed PRO polypeptide, PRO having at least 80 % sequence
XX identity to any one of the 23 100-900 residue amino acid sequences, given
XX in the specification or to a sequence encoded by a nucleic acid molecule
XX deposited under any one of the ATCC accession numbers given in the
XX specification. Also included are an isolated nucleic acid molecule having
XX at least 80 % sequence identity to any one of 23 400-3500 nucleotide
XX sequences given in the specification, (or a full-length coding sequence of
XX PRO, a full-length PRO coding sequence, a full-length coding sequence of
XX DNA deposited under any ATCC accession number given in the specification)
XX or at least 80 % identity to a nucleotide sequence encoding PRO, lacking
XX its associated signal peptide, a sequence encoding extracellular domain
XX of PRO with or without its associated signal peptide, a vector comprising
XX the PRO nucleic acid, a host cell comprising the vector, preparation of
XX PRO, a chimeric molecule comprising PRO fused to a heterologous amino

CC acid sequence and an anti-PRO antibody. PRO is useful for identifying
CC ant/agonists or antagonists of PRO, preparing a variant of PRO, as
CC molecular weight markers and PRO nucleic acid is useful for recombinantly
CC expressing those markers. PRO is also useful as therapeutic agent. PRO is
CC useful in assays to identify molecules or proteins which bind to PRO and
CC for identifying inhibitors of PRO. PRO nucleic acid is useful as a
CC hybridisation probe, in chromosome and gene mapping, in generation of
CC antisense RNA and DNA, for generating transgenic animals or knockout
CC animals which in turn are useful in the development and screening of
CC therapeutically useful reagents. PRO nucleic acid is also useful in
CC mapping the gene which encodes the PRO and for the genetic analysis of
CC individuals with genetic disorders, in gene therapy, for chromosome
CC identification, as chromosome marker, and for generating probes for PCR,
CC Northern analysis, Southern analysis and Western analysis. The antibody
CC useful in diagnostic assays for PRO, for affinity purification of PRO,
CC and for treating septic shock. PRO or the antibody is useful for the
CC preparation of medicament for treating conditions which is responsive to
CC the PRO polypeptide or anti-PRO antibody. PRO and PRO nucleic acid are
CC useful for tissue typing. The present sequence encodes a PRO protein
XX
SQ Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;

Query Match 100.0%; Score 890; DB 9; Length 890;
Best Local Similarity 100.0%; Pred. No. 1.2e-266;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGTACTGTGTCCGGGTGGTGTGACTGATTAAGTCTGCGAGCCCTGGAAGCTGCTGTCC 60
Db 1 AAGTACTGTGTCCGGGTGGTGTGACTGATTAAGTCTGCGAGCCCTGGAAGCTGCTGTCC 60
QY 61 TTCTCCCTGTGCTTAACGAGAGTGGCCCATGTGGTTGACATAGAGCTGTGACAGAC 120
Db 61 TTCTCCCTGTGCTTAACGAGAGTGGCCCATGTGGTTGACATAGAGCTGTGACAGAC 120
QY 121 ACTGTACTGGGTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
Db 121 ACTGTACTGGGTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
QY 181 CCATGAGGCCCTCTTGGACGAGACACCTCTTTTGCAGAGGCTTTGAAGTTTCTACCC 240
Db 181 CCATGAGGCCCTCTTGGACGAGACACCTCTTTTGCAGAGGCTTTGAAGTTTCTACCC 240
QY 241 AAGATTGGGGAACATTTGGCTGCAAGTTGTTCTGATTTGAACAATCAACAGAAAT 300
Db 241 AAGATTGGGGAACATTTGGCTGCAAGTTGTTCTGATTTGAACAATCAACAGAAAT 300
QY 301 CACTCTCTGATGAGAGCCGATATGCAAGTTCCCGGGGGCCGTGACGCGCAACTATAT 360
Db 301 CACTCTCTGATGAGAGCCGATATGCAAGTTCCCGGGGGCCGTGACGCGCAACTATAT 360
QY 361 CCGTGGATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
Db 361 CCGTGGATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
QY 421 ACATTGGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 480
Db 421 ACATTGGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 480
QY 481 GGAGTTATCAAGCTTACGAGGCTCCCTCCCAACCGGACAGAGTGGCTTCCATGCTACCA 540
Db 481 GGAGTTATCAAGCTTACGAGGCTCCCTCCCAACCGGACAGAGTGGCTTCCATGCTACCA 540
QY 541 GTTCTTTGTATCTTTCAGAAAGAAAGTATCTCTCTCTCCCAAGAAACAAAC 600
Db 541 GTTCTTTGTATCTTTCAGAAAGAAAGTATCTCTCTCTCCCAAGAAACAAAC 600
QY 601 TCGAGGCTTTTGAAGAAATGACAGATTTGTAACCGCTTCCACCTGGGCGCAACTGAGC 660
Db 601 TCGAGGCTTTTGAAGAAATGACAGATTTGTAACCGCTTCCACCTGGGCGCAACTGAGC 660
QY 661 AAGACCCAGTTCATGAGCCCAAGAACTACAGAGATCTACCAACCTCCAGCTCCCAAGC 720
Db 661 AAGACCCAGTTCATGAGCCCAAGAACTACAGAGATCTACCAACCTCCAGCTCCCAAGC 720

QY 721 AAGGCCAGCGAGCCCAAGCAAAACCAGGAGAGATAGCTGCTGTAGATAGCCGGC 780
DB 721 AAGGCCAGCGAGCCCAAGCAAAACCAGGAGAGATAGCTGCTGTAGATAGCCGGC 780
QY 781 TTTCGCCATCCGGGATGTGGCCACACCTGCTACCAACGATGTGGATATGAAACCCC 840
DB 781 TTTCGCCATCCGGGATGTGGCCACACCTGCTACCAACGATGTGGATATGAAACCCC 840
QY 841 TCTGGATACAGAACCCCTTCTTTCCAAATTAATAAATAATCATCAAA 890
DB 841 TCTGGATACAGAACCCCTTCTTTCCAAATTAATAAATAATCATCAAA 890
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ABT43997
ID ABT43997 standard; cDNA: 890 BP.
XX
AC ABT43997;
XX
DT 16-OCT-2003 (first entry)
XX
DE Human membrane bound receptor/protein PRO4408 cDNA sequence.
XX
KM Human; PRO; membrane bound protein; membrane bound receptor;
KM cell proliferation; cell migration; cell differentiation;
KM mitogenic factor; survival factor; cytotoxic factor;
KM differentiation factor; neuropeptide; hormone; cell receptor;
KM receptor-ligand interaction; cytosolic; chondrocyte; tumour; gene; ss.
XX
OS Homo sapiens.
XX
PN US2003065147-A1.
XX
PD 03-APR-2003.
XX
PF 29-AUG-2002; 2002US-00232224.
XX
PR 28-JUL-1999; 99US-0146222P.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
XX
PA (GETH) GENENTECH INC.
XX
XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WJ;
XX
XX WPI; 2003-522018/49.
XX
XX P-PSDB; ABJ72173.
XX
XX One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for the manufacture of a medicament for diagnosing or treating
PT tumor.
XX
XX Claim 2; Fig 231; 315pp; English.
XX
XX This invention relates to one hundred and twenty two novel nucleic acids
CC encoding human PRO membrane bound proteins or receptors. Extracellular
CC proteins play important roles in the formation, differentiation and
CC maintenance of multicellular organisms. The fate of many individual cells
CC (for example proliferation, migration or differentiation) is typically
CC governed by information received from other cells and the immediate
CC environment. The information is often transmitted by secreted
CC polypeptides (for example mitogenic factors, survival factors, cytotoxic
CC factors, differentiation factors, neuropeptides and hormones) which are
CC received and interpreted by diverse cell receptors or membrane bound
CC proteins. These membrane bound proteins and receptors may be of use as
CC pharmaceutical and diagnostic agents, such as in the blocking of receptor
CC-ligand interactions. The current invention provides the amino acid
CC sequences of novel human membrane bound receptors and proteins, along

CC with the cDNA sequences encoding them. The novel proteins of the
CC invention may have cytostatic activities through the stimulation of
CC chondrocytes. The nucleic acids of the invention may be useful for the
CC manufacture of a medicament for diagnosing or treating a tumour in a
CC mammal. In addition, they may be useful for measuring or detecting the
CC expression of a tumour associated gene. The present sequence is the cDNA
CC sequence encoding a human PRO protein of the invention
XX
SQ Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;
Query Match 100.0%; Score 890; DB 9; Length 890;
Best Local Similarity 100.0%; Pred. No. 1,2e-266;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AAGTACTTGTCCTCGGGTGTGAGCTGATTAAGTGGGAGCCCTGGAAGCTGCTGCC 60
DB 1 AAGTACTTGTCCTCGGGTGTGAGCTGATTAAGTGGGAGCCCTGGAAGCTGCTGCC 60
QY 61 TTCTCCCTGTGCTTAACAGAGGTGCCCATGGTTGGACAATGAGCTGTACAGCAGC 120
DB 61 TTCTCCCTGTGCTTAACAGAGGTGCCCATGGTTGGACAATGAGCTGTACAGCAGC 120
QY 121 ACTGTACTGGGTCTCATGATGTGTGTCACCTGAGACGAGATAGAAACGCCGTGTGC 180
DB 121 ACTGTACTGGGTCTCATGATGTGTGTCACCTGAGACGAGATAGAAACGCCGTGTGC 180
QY 181 CCATGAGGCCCTCTTGGACAGAGCACCCCTTTTGCACAGGSCCTTAAGTTTCTACCC 240
DB 181 CCATGAGGCCCTCTTGGACAGAGCACCCCTTTTGCACAGGSCCTTAAGTTTCTACCC 240
QY 241 AGAGTTGGGGAACATATGGCTGCACAGGTGTTCTCTGATTTGTAACTACAGACAGAAAT 300
DB 241 AGAGTTGGGGAACATATGGCTGCACAGGTGTTCTCTGATTTGTAACTACAGACAGAAAT 300
QY 301 CACCTCTGATGAGAGCCGATAGTCAAGTTCCCGGSGCCGTGAGCGCCGACCTATAT 360
DB 301 CACCTCTGATGAGAGCCGATAGTCAAGTTCCCGGSGCCGTGAGCGCCGACCTATAT 360
QY 361 CCTGTGATGTGTGATCCAGATGCCCTAGACAGAGCAAAACCCAGACAGATCTGTAG 420
DB 361 CCTGTGATGTGTGATCCAGATGCCCTAGACAGAGCAAAACCCAGACAGATCTGTAG 420
QY 421 ACATGGCTGTAAACAATATCAAGGCGCCGACCTGAGAAAGGAGAAATTCAGGGCCA 480
DB 421 ACATGGCTGTAAACAATATCAAGGCGCCGACCTGAGAAAGGAGAAATTCAGGGCCA 480
QY 481 GAGATTATCAGCCTACAGGCTCCCTCCACCGGCAACAAGTGGCTTCATGCTACCA 540
DB 481 GAGATTATCAGCCTACAGGCTCCCTCCACCGGCAACAAGTGGCTTCATGCTACCA 540
QY 541 GTTCTTGTCTATCTTACAGAAAGAAAGTATCTCTCTTCCCAAGAAACAAAC 600
DB 541 GTTCTTGTCTATCTTACAGAAAGAAAGTATCTCTCTTCCCAAGAAACAAAC 600
QY 601 TCGAGGCTCTTGGAAATATGACAGATTTGAAACCGCTTCCACCTGAGGCGAACTGAAAC 660
DB 601 TCGAGGCTCTTGGAAATATGACAGATTTGAAACCGCTTCCACCTGAGGCGAACTGAAAC 660
QY 661 AAGCACCAGTTCATGACCAAGAACTACAGAGACTCAACCTCCAGGCTCCAGAGG 720
DB 661 AAGCACCAGTTCATGACCAAGAACTACAGAGACTCAACCTCCAGGCTCCAGAGG 720
QY 721 AAGGGCCAGGAGGCCCAAGCAAAACCAAGGAGAGATTAAGTGTGATGCGGC 780
DB 721 AAGGGCCAGGAGGCCCAAGCAAAACCAAGGAGAGATTAAGTGTGATGCGGC 780
QY 781 TTTCGCCATCCGGGATGTGGCCACACCTGCTACCAACGATGTGGATATGAAACCCC 840
DB 781 TTTCGCCATCCGGGATGTGGCCACACCTGCTACCAACGATGTGGATATGAAACCCC 840
QY 841 TCTGGATACAGAACCCCTTCTTTCCAAATTAATAAATAATCATCAAA 890
DB 841 TCTGGATACAGAACCCCTTCTTTCCAAATTAATAAATAATCATCAAA 890

RESULT 15
ID ADB83721
ADB83721 standard; cDNA, 890 BP.
XX
AC ADB83721;
XX
DT 04-DEC-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO4408 cDNA.
XX
XX human; secreted and transmembrane protein; PRO; gene; ss; cytostatic;
XX vlnery; antithetic; pericyte cell proliferation;
XX pericyte cell differentiation; chondrocyte cell proliferation;
XX chondrocyte cell differentiation; tumour necrosis factor alpha release;
XX (TNF)-alpha release; dermal fibroblast cell proliferation;
XX dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;
XX colon tumour; breast tumour; prostate tumour; rectal tumour;
XX liver tumour; tissue typing; chromosome mapping; gene mapping;
XX gene therapy.
XX
XX Homo sapiens.
XX
XX US2003073814-A1.
XX
XX 17-APR-2003.
XX
XX 12-AUG-2002; 2002US-00218849.
XX
XX 01-JUN-2001; 2001WO-US017800.
XX 29-JUN-2001; 2001WO-US021066.
XX 09-APR-2002; 2002US-00119480.
XX
XX (GETH) GENENTECH INC.
XX
XX Baker KP, Desnoyers L, Gerltzen ME, Goddard A, Godowski PJ;
XX Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WL;
XX MPI; 2003-644806/61.
XX P-P8DB; ADB83722.
XX
XX New PRO polypeptides and nucleic acids encoding the polypeptide, useful
XX in gene therapy, chromosome identification, tissue typing, or as
XX hybridization probes in chromosome and gene mapping.
XX
XX Claim 2; Fig 231; 315pp; English.
XX
XX The invention describes an isolated PRO (secreted and transmembrane)
XX polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are
XX useful for stimulating the proliferation of or gene expression in
XX pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful
XX for stimulating the proliferation or differentiation of chondrocyte
XX cells. PRO231, PRO357, PRO725, PRO1155, PRO1306 or PRO1419 polypeptide
XX are useful for stimulating the release of tumour necrosis factor (TNF)-
XX alpha from human blood. PRO982, PRO357, PRO1272, PRO1306, PRO214,
XX PRO247, PRO337, PRO326, PRO363, PRO531, PRO1083, PRO840, PRO1080,
XX PRO1478, PRO1134, PRO826, PRO1005, PRO809, PRO1071, PRO1411, PRO1309,
XX PRO1428, PRO1181, PRO126, PRO1186, PRO1192, PRO1244, PRO1412,
XX PRO1286, PRO1330, PRO1347, PRO1305, PRO1279, PRO1338, PRO1387,
XX PRO1344, PRO1376, PRO1387, PRO1409, PRO1474, PRO1517, PRO1760, PRO1567,
XX PRO1887, PRO1928, PRO9836 or PRO10096 polypeptide are useful for
XX stimulating the proliferation of normal human dermal fibroblasts cells.
XX PRO181, PRO229, PRO788, PRO1194, PRO1272, PRO1488, PRO4408,
XX PRO5723, PRO5725, PRO7154, or PRO7425 polypeptide are useful for
XX inhibiting the proliferation of normal human dermal fibroblast cells. PRO
XX polypeptides such as PRO6004, PRO4981, PRO1714, PRO5778, PRO4332, etc.,
XX are useful for detecting the presence of tumour in a mammal which
XX involves comparing the level of expression of the above PRO polypeptides
XX in a test sample of cells taken from the mammal, and a control sample of
XX normal cells of the same cell type, where a higher level of expression of
XX the PRO polypeptides in the test sample as compared to the control sample

CC is indicative of the presence of tumour in the mammal. The tumour is lung
CC tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or
CC liver tumour. (I) is useful as molecular weight markers, for tissue
CC typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is
CC useful for chromosome and gene mapping or gene therapy. (II) is useful
CC for generating transgenic animals or knock-out animals which are useful
CC screening useful reagents. PRO357, PRO229, PRO1272 or PRO4405 polypeptide
CC is useful for treating bone and/or cartilage disorders (e.g., arthritis,
CC sport injuries). This sequence encodes a human secreted and transmembrane
CC PRO polypeptide.
XX
XX
SQ Sequence 890 BP; 228 A; 246 C; 234 G; 182 T; 0 U; 0 Other;

Query Match 100.0%; Score 890; DB 9; Length 890;
Best Local Similarity 100.0%; Pred. No. 1.2e-266;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGTACTGTGTCGCGGGTGGTGAAGTATGCTGCGGAGCCCTGGAGCTGCGTCC 60
Db 1 AAGTACTGTGTCGCGGGTGGTGAAGTATGCTGCGGAGCCCTGGAGCTGCGTCC 60
QY 61 TTCTCCCTGTGCTTAAACAGAGTGCCTCATGGTTGACATAGAGCTGTGACAGCAGC 120
Db 61 TTCTCCCTGTGCTTAAACAGAGTGCCTCATGGTTGACATAGAGCTGTGACAGCAGC 120
QY 121 ACTGTACTGGGCTCTCATATGCTGTCTGAGACAGAGATGAGAACAGCCCTGTGTC 180
Db 121 ACTGTACTGGGCTCTCATATGCTGTCTGAGACAGAGATGAGAACAGCCCTGTGTC 180
QY 181 CCATGAGGCGCTCTTGAAGAGAGACACCTCTTTTGCAGGAGCTTGAATTTCTACCC 240
Db 181 CCATGAGGCGCTCTTGAAGAGAGACACCTCTTTTGCAGGAGCTTGAATTTCTACCC 240
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Db 241 AGAGTTGGGAAACATTGCTGCAAGTTGTTCTGATTTGAACAATACAGACAGAGAT 300
QY 301 CACCTCTGATGAGAGCGATATGTAAGTTCCCGGGGGCGGTGACGGGCAACCTATAT 360
Db 301 CACCTCTGATGAGAGCGATATGTAAGTTCCCGGGGGCGGTGACGGGCAACCTATAT 360
QY 361 CCTGTGATGATGATCCAGATGCCCCCTAGCAGAGACAGAACAGAGATTCTGAG 420
Db 361 CCTGTGATGATGATCCAGATGCCCCCTAGCAGAGACAGAACAGAGATTCTGAG 420
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QY 721 AAGGCGACAGAGCCCAAGACAAAACAGGAGAGATAGCTGCTGCTGATATAGCCGCG 780
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Db 781 TTGGCATCGGAGCATGTGGCCACACTGCTACACCGACGATGTGGGTATGGAACCCC 840

Mon Jan 31 11:10:43 2005

us-10-035-958-60.sprdi.rng

Page 27

[illegible]

Search completed: January 30, 2005, 13:38:15
Job time : 655 secs

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OM nucleic - nucleic search, using sw model

Run on: January 30, 2005, 14:46:32 ; Search time 586 Seconds
(without alignments)
8726.691 Million cell updates/sec

Title: US-10-035-958-60

Perfect score: 890

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Scoring table:

IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 4300275 seqs, 2872944193 residues

Total number of hits satisfying chosen parameters: 8600550

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 1500 summaries

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Published Applications_NA:*

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	890	100.0	890	10	US-09-931-836-60 Sequence 60, App1
2	890	100.0	890	13	US-10-036-342-60 Sequence 60, App1
3	890	100.0	890	13	US-10-036-041-60 Sequence 60, App1
4	890	100.0	890	14	US-10-035-855-60 Sequence 60, App1
5	890	100.0	890	14	US-10-227-884-231 Sequence 231, App1
6	890	100.0	890	14	US-10-036-214-60 Sequence 60, App1
7	890	100.0	890	14	US-10-035-719-60 Sequence 60, App1
8	890	100.0	890	14	US-10-230-163-231 Sequence 231, App1
9	890	100.0	890	14	US-10-036-160-60 Sequence 60, App1
10	890	100.0	890	14	US-10-230-338-231 Sequence 231, App1
11	890	100.0	890	14	US-10-218-631-231 Sequence 231, App1
12	890	100.0	890	14	US-10-035-958-60 Sequence 60, App1

13	890	100.0	890	14	US-10-036-150-60 Sequence 60, App1
14	890	100.0	890	14	US-10-230-414-231 Sequence 231, App1
15	890	100.0	890	14	US-10-232-224-231 Sequence 231, App1
16	890	100.0	890	14	US-10-216-159A-231 Sequence 231, App1
17	890	100.0	890	14	US-10-218-849-231 Sequence 231, App1
18	890	100.0	890	14	US-10-227-873-231 Sequence 231, App1
19	890	100.0	890	14	US-10-227-883-231 Sequence 231, App1
20	890	100.0	890	14	US-10-219-076-231 Sequence 231, App1
21	890	100.0	890	14	US-10-230-434-231 Sequence 231, App1
22	890	100.0	890	14	US-10-219-003-231 Sequence 231, App1
23	890	100.0	890	14	US-10-219-075-231 Sequence 231, App1
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27	890	100.0	890	14	US-10-219-481-231 Sequence 231, App1
28	890	100.0	890	14	US-10-230-260-231 Sequence 231, App1
29	890	100.0	890	14	US-10-232-231-231 Sequence 231, App1
30	890	100.0	890	14	US-10-232-233-231 Sequence 231, App1
31	890	100.0	890	14	US-10-036-063-60 Sequence 60, App1
32	890	100.0	890	14	US-10-216-165-231 Sequence 231, App1
33	890	100.0	890	14	US-10-218-956-231 Sequence 231, App1
34	890	100.0	890	14	US-10-219-468-231 Sequence 231, App1
35	890	100.0	890	14	US-10-219-524-231 Sequence 231, App1
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37	890	100.0	890	14	US-10-233-005-231 Sequence 231, App1
38	890	100.0	890	14	US-10-219-072-231 Sequence 231, App1
39	890	100.0	890	14	US-10-219-470-231 Sequence 231, App1
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55	890	100.0	890	15	US-10-216-164-231 Sequence 231, App1
56	890	100.0	890	15	US-10-216-167-231 Sequence 231, App1
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C 530	32.8	3.7	3479	15	US-10-141-697-123	Sequence 123, App	C 603	32.8	3.7	3479	15	US-10-145-534-123	Sequence 123, App
C 531	32.8	3.7	3479	15	US-10-141-700-123	Sequence 123, App	C 604	32.8	3.7	3479	15	US-10-147-520-123	Sequence 123, App
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C 535	32.8	3.7	3479	15	US-10-142-418-123	Sequence 123, App	C 608	32.8	3.7	3479	15	US-10-152-387-123	Sequence 123, App
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C 541	32.8	3.7	3479	15	US-10-152-531-123	Sequence 123, App	C 614	32.8	3.7	3479	15	US-10-157-794-123	Sequence 123, App
C 542	32.8	3.7	3479	15	US-10-157-840A-123	Sequence 123, App	C 615	32.8	3.7	3479	15	US-10-152-390-123	Sequence 123, App
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C 547	32.8	3.7	3479	15	US-10-142-887-123	Sequence 123, App	C 620	32.8	3.7	3479	15	US-10-157-825-123	Sequence 123, App
C 548	32.8	3.7	3479	15	US-10-142-888-123	Sequence 123, App	C 621	32.8	3.7	3479	15	US-10-157-797-123	Sequence 123, App
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C 680	32.8	3.7	3479	15	US-10-156-844-123	Sequence 123, App	C 753	32.8	3.7	3479	15	US-10-142-430-123	Sequence 123, App
C 681	32.8	3.7	3479	15	US-10-156-845-123	Sequence 123, App	C 754	32.8	3.7	3479	15	US-10-142-430-123	Sequence 123, App
C 682	32.8	3.7	3479	15	US-10-156-845-123	Sequence 123, App	C 755	32.8	3.7	3479	15	US-10-143-113-123	Sequence 123, App
C 683	32.8	3.7	3479	15	US-10-156-846-123	Sequence 123, App	C 756	32.8	3.7	3479	15	US-10-146-730-123	Sequence 123, App
C 684	32.8	3.7	3479	15	US-10-121-048-123	Sequence 123, App	C 757	32.8	3.7	3479	15	US-10-146-792-123	Sequence 123, App
C 685	32.8	3.7	3479	15	US-10-121-052-123	Sequence 123, App	C 758	32.8	3.7	3479	15	US-10-146-792-123	Sequence 123, App
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C 688	32.8	3.7	3479	15	US-10-121-053-123	Sequence 123, App	C 761	32.8	3.7	3479	15	US-10-157-766-123	Sequence 123, App
C 689	32.8	3.7	3479	15	US-10-123-212-123	Sequence 123, App	C 762	32.8	3.7	3479	15	US-10-152-405-123	Sequence 123, App
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C 691	32.8	3.7	3479	15	US-10-123-291-123	Sequence 123, App	C 764	32.8	3.7	3479	16	US-10-128-692A-123	Sequence 123, App
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C 693	32.8	3.7	3479	15	US-10-123-771-123	Sequence 123, App	C 766	32.8	3.7	3479	16	US-10-145-127-123	Sequence 123, App
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C 696	32.8	3.7	3479	15	US-10-125-931-123	Sequence 123, App	C 769	32.8	3.7	3479	16	US-10-143-118-123	Sequence 123, App
C 697	32.8	3.7	3479	15	US-10-125-932-123	Sequence 123, App	C 770	32.8	3.7	3479	16	US-10-144-993-123	Sequence 123, App
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C 704	32.8	3.7	3479	15	US-10-146-786-123	Sequence 123, App	C 777	32.8	3.7	3479	18	US-10-145-626-123	Sequence 123, App
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C 708	32.8	3.7	3479	15	US-10-137-867-123	Sequence 123, App	C 781	32.8	3.7	3479	18	US-10-147-518-123	Sequence 123, App
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C 724	32.8	3.7	3479	15	US-10-144-958-123	Sequence 123, App	C 797	32.6	3.7	1980090	15	US-10-719-993-7063	Sequence 7063, Ap
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C 732	32.8	3.7	3479	15	US-10-147-507-123	Sequence 123, App	C 805	32.4	3.6	509	15	US-10-142-885-108	Sequence 108, App
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C 737	32.8	3.7	3479	15	US-10-152-400-123	Sequence 123, App	C 810	32.4	3.6	509	15	US-10-141-759-108	Sequence 108, App
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C 739	32.8	3.7	3479	15	US-10-153-585-123	Sequence 123, App	C 812	32.4	3.6	509	15	US-10-140-864-108	Sequence 108, App
C 740	32.8	3.7	3479	15	US-10-157-800-123	Sequence 123, App	C 813	32.4	3.6	509	16	US-10-142-426-108	Sequence 108, App
C 741	32.8	3.7	3479	15	US-10-157-801-123	Sequence 123, App	C 814	32.4	3.6	796	17	US-10-156-761-3070	Sequence 3070, Ap
C 742	32.8	3.7	3479	15	US-10-157-802-123	Sequence 123, App	C 815	32.4	3.6	201143	16	US-10-767-701-19794	Sequence 19794, A
					US-10-158-784-123	Sequence 123, App						US-10-240-425-1099	Sequence 1099, A

816	32.2	3.6	380	9	US-09-960-352-12191	Sequence 12191, A	C 889	31.6	3.6	34551	15	US-10-292-798-1877	Sequence 1877, Ap
C 817	32.2	3.6	509	14	US-10-184-644-52	Sequence 52, Appl	C 890	31.6	3.6	95689	13	US-10-087-192-160	Sequence 160, Appl
C 819	32.2	3.6	865	16	US-10-184-634-52	Sequence 52, Appl	C 891	31.6	3.6	96589	11	US-09-997-722-45	Sequence 46, Appl
C 820	32.2	3.6	1678	16	US-10-260-314-31743	Sequence 31743, A	C 892	31.6	3.6	211805	17	US-10-741-601-5621	Sequence 5621, Ap
C 821	32.2	3.6	1680	16	US-10-425-114-32574	Sequence 32574, A	C 893	31.6	3.6	350764	17	US-10-087-192-1864	Sequence 1864, Ap
C 822	32.2	3.6	1678	18	US-10-425-115-97380	Sequence 97380, A	C 894	31.4	3.5	497	13	US-10-767-701-6629	Sequence 6629, Ap
C 823	32.2	3.6	1821	17	US-10-437-963-55247	Sequence 55247, A	C 895	31.4	3.5	625	15	US-10-123-155-70	Sequence 70, Appl
C 824	32.2	3.6	3481	16	US-10-425-114-32821	Sequence 32821, A	C 896	31.4	3.5	625	15	US-10-146-731-70	Sequence 70, Appl
C 825	32.2	3.6	3655	18	US-10-425-115-97384	Sequence 97384, A	C 897	31.4	3.5	625	15	US-10-140-472-70	Sequence 70, Appl
C 826	32.2	3.6	3655	15	US-10-085-117-208	Sequence 208, Appl	C 898	31.4	3.5	625	15	US-10-141-761-70	Sequence 70, Appl
C 827	32.2	3.6	49888	15	US-10-085-117-25	Sequence 25, Appl	C 899	31.4	3.5	625	15	US-10-142-885-70	Sequence 70, Appl
C 828	32.2	3.6	338	18	US-10-357-930-23224	Sequence 23224, A	C 900	31.4	3.5	625	15	US-10-158-790-70	Sequence 70, Appl
C 829	32.2	3.6	338	18	US-10-357-930-29096	Sequence 29096, A	C 901	31.4	3.5	625	15	US-10-137-871-70	Sequence 70, Appl
C 830	32.2	3.6	341	18	US-10-357-930-5099	Sequence 5099, Ap	C 902	31.4	3.5	625	15	US-10-140-923-70	Sequence 70, Appl
C 831	32.2	3.6	342	18	US-10-357-930-14268	Sequence 14268, A	C 903	31.4	3.5	625	15	US-10-141-756-70	Sequence 70, Appl
C 832	32.2	3.6	394	18	US-10-357-930-35388	Sequence 35388, A	C 904	31.4	3.5	625	15	US-10-141-759-70	Sequence 70, Appl
C 833	32.2	3.6	394	18	US-10-357-930-44220	Sequence 44220, A	C 905	31.4	3.5	625	15	US-10-140-805-70	Sequence 70, Appl
C 834	32.2	3.6	598	13	US-10-027-632-193091	Sequence 193091, A	C 906	31.4	3.5	625	15	US-10-140-864-70	Sequence 70, Appl
C 835	32.2	3.6	598	15	US-10-027-632-193091	Sequence 193091, A	C 907	31.4	3.5	625	16	US-10-142-426-70	Sequence 70, Appl
C 836	32.2	3.6	1320	16	US-10-641-643-1248	Sequence 1248, Ap	C 908	31.4	3.5	721	18	US-10-425-115-6244	Sequence 6244, Ap
C 837	32.2	3.6	1349	16	US-10-287-226-99	Sequence 99, Appl	C 909	31.4	3.5	750	9	US-09-604-3874-58	Sequence 58, Appl
C 838	32.2	3.6	1617	17	US-10-437-963-101417	Sequence 101417, A	C 910	31.4	3.5	750	9	US-08-834-759-58	Sequence 58, Appl
C 839	32.2	3.6	1649	16	US-10-159-563-264	Sequence 264, Appl	C 911	31.4	3.5	750	9	US-09-339-338-58	Sequence 58, Appl
C 840	32.2	3.6	1649	17	US-10-304-125-4	Sequence 4, Appl1	C 912	31.4	3.5	750	10	US-09-551-621-58	Sequence 58, Appl
C 841	32.2	3.6	1743	15	US-10-133-013-219	Sequence 219, Appl	C 913	31.4	3.5	750	13	US-10-007-805-58	Sequence 58, Appl
C 842	32.2	3.6	1900	18	US-10-357-930-22804	Sequence 22804, A	C 914	31.4	3.5	750	14	US-10-076-622-58	Sequence 58, Appl
C 843	32.2	3.6	1900	18	US-10-357-930-28658	Sequence 28658, A	C 915	31.4	3.5	750	15	US-10-124-805-58	Sequence 58, Appl
C 844	32.2	3.6	2051	17	US-10-437-963-125-13	Sequence 125-13	C 916	31.4	3.5	750	15	US-10-441-893-58	Sequence 58, Appl
C 845	32.2	3.6	2345	17	US-10-437-963-28165	Sequence 28165, A	C 917	31.4	3.5	750	17	US-10-767-701-4882	Sequence 4882, Ap
C 846	31.8	3.6	389	18	US-10-425-115-89481	Sequence 89481, A	C 918	31.4	3.5	1199	13	US-10-027-632-123987	Sequence 123987, A
C 847	31.8	3.6	774	15	US-10-156-761-6275	Sequence 6275, Ap	C 919	31.4	3.5	1199	15	US-10-027-632-123987	Sequence 123987, A
C 848	31.8	3.6	777	15	US-10-156-761-1644	Sequence 1644, Ap	C 920	31.4	3.5	1246	15	US-10-190-3128-23	Sequence 23, Appl
C 849	31.8	3.6	1020	15	US-10-217-335-12	Sequence 12, Appl	C 921	31.4	3.5	1437	16	US-10-424-599-142370	Sequence 42370, A
C 850	31.8	3.6	2015	10	US-09-870-0898-1	Sequence 1, Appl1	C 922	31.4	3.5	1686	15	US-10-424-599-142370	Sequence 42370, A
C 851	31.8	3.6	2015	15	US-10-341-434-66	Sequence 66, Appl	C 923	31.4	3.5	1848	15	US-10-156-761-1880	Sequence 1880, Ap
C 852	31.8	3.6	2015	15	US-10-172-118-647	Sequence 647, Appl	C 924	31.4	3.5	1871	13	US-10-027-632-263807	Sequence 263807, A
C 853	31.8	3.6	2015	16	US-10-262-445-116	Sequence 116, Appl	C 925	31.4	3.5	1871	15	US-10-027-632-263807	Sequence 263807, A
C 854	31.8	3.6	2015	16	US-10-342-887-647	Sequence 647, Appl	C 926	31.4	3.5	2729	15	US-10-126-103-90	Sequence 90, Appl
C 855	31.8	3.6	2015	17	US-10-283-975A-141	Sequence 141, Appl	C 927	31.4	3.5	2729	16	US-10-431-096-61	Sequence 90, Appl
C 856	31.8	3.6	2019	18	US-10-310-715B-641	Sequence 641, Appl	C 928	31.4	3.5	2787	18	US-10-793-639-203	Sequence 203, Appl
C 857	31.8	3.6	2019	18	US-09-919-039-173	Sequence 173, Appl	C 929	31.4	3.5	2893	17	US-10-755-889-747	Sequence 747, Appl
C 858	31.8	3.6	2490	16	US-10-108-260A-200	Sequence 200, Appl	C 930	31.4	3.5	2907	15	US-10-126-103-61	Sequence 61, Appl
C 859	31.8	3.6	2583	17	US-10-441-926-31	Sequence 31, Appl	C 931	31.4	3.5	2907	16	US-10-431-096-61	Sequence 61, Appl
C 860	31.8	3.6	2583	17	US-10-441-926-32	Sequence 32, Appl	C 932	31.4	3.5	14292	16	US-10-240-442-1102	Sequence 1102, Ap
C 861	31.8	3.6	2583	17	US-10-441-926-33	Sequence 33, Appl	C 933	31.4	3.5	273178	17	US-10-297-446A-1	Sequence 1, Appl1
C 862	31.8	3.6	71292	13	US-10-087-192-1942	Sequence 1942, Appl	C 934	31.2	3.5	442	10	US-09-918-995-12715	Sequence 12715, A
C 863	31.6	3.6	404	10	US-09-918-995-6244	Sequence 6244, Ap	C 935	31.2	3.5	449	16	US-10-242-535A-6704	Sequence 6704, Ap
C 864	31.6	3.6	496	10	US-09-918-995-20547	Sequence 20527, A	C 936	31.2	3.5	449	18	US-10-085-783A-6704	Sequence 6704, Ap
C 865	31.6	3.6	501	18	US-10-425-115-35543	Sequence 35543, A	C 937	31.2	3.5	451	16	US-10-674-124A-4097	Sequence 4097, Ap
C 866	31.6	3.6	619	13	US-10-027-632-108752	Sequence 108752, A	C 938	31.2	3.5	451	10	US-09-918-995-1188	Sequence 1188, A
C 867	31.6	3.6	619	15	US-10-027-632-108752	Sequence 108752, A	C 939	31.2	3.5	451	10	US-09-918-995-1188	Sequence 1188, A
C 868	31.6	3.6	635	15	US-10-027-632-46181	Sequence 46181, A	C 940	31.2	3.5	728	17	US-10-437-963-42263	Sequence 42263, A
C 869	31.6	3.6	635	15	US-10-027-632-46181	Sequence 46181, A	C 941	31.2	3.5	734	18	US-10-425-115-47101	Sequence 47101, A
C 870	31.6	3.6	638	15	US-10-029-386-22749	Sequence 22749, A	C 942	31.2	3.5	1437	15	US-10-359-369-1-17	Sequence 1, Appl
C 871	31.6	3.6	800	16	US-10-425-114-17366	Sequence 17366, A	C 943	31.2	3.5	1771	18	US-10-425-115-98208	Sequence 98208, A
C 872	31.6	3.6	1042	15	US-10-187-975-49	Sequence 97549, Appl	C 944	31.2	3.5	2583	17	US-10-441-926-37	Sequence 37, Appl
C 873	31.6	3.6	1354	18	US-10-425-115-10249	Sequence 102049, A	C 945	31.2	3.5	2583	17	US-10-441-926-39	Sequence 39, Appl
C 874	31.6	3.6	1360	9	US-09-764-853-234	Sequence 234, Appl	C 946	31.2	3.5	2583	17	US-10-441-926-39	Sequence 39, Appl
C 875	31.6	3.6	1874	18	US-10-425-115-7205	Sequence 7205, Ap	C 947	31.2	3.5	3963	18	US-10-425-115-74757	Sequence 74757, A
C 876	31.6	3.6	1874	9	US-09-323-998D-33	Sequence 33, Appl1	C 948	31.2	3.5	34511	15	US-10-085-117-307	Sequence 307, Appl
C 877	31.6	3.6	2167	16	US-10-264-237-1332	Sequence 1332, Ap	C 949	31.2	3.5	68123	17	US-10-741-601-5677	Sequence 5677, Appl
C 878	31.6	3.6	2961	10	US-09-832-846-168	Sequence 168, Appl	C 950	31.2	3.5	118668	13	US-10-087-192-340	Sequence 340, Appl
C 879	31.6	3.6	2991	9	US-09-729-674-155	Sequence 155, Appl	C 951	31.2	3.5	176080	16	US-10-235-192-443	Sequence 443, Appl
C 880	31.6	3.6	2991	16	US-10-913-553-155	Sequence 155, Appl	C 952	31.1	3.5	31	13	US-10-003-152-37	Sequence 37, Appl
C 881	31.6	3.6	3335	16	US-10-191-803-50	Sequence 50, Appl	C 953	31.1	3.5	31	14	US-10-002-050-37	Sequence 37, Appl
C 882	31.6	3.6	3335	16	US-10-152-319A-1573	Sequence 1573, Appl	C 954	31.1	3.5	31	14	US-10-002-050-37	Sequence 37, Appl
C 883	31.6	3.6	3843	16	US-10-108-260A-1691	Sequence 1691, Ap	C 955	31.1	3.5	31	17	US-10-403-676-154	Sequence 154, Appl
C 884	31.6	3.6	6949	18	US-10-723-860-2112	Sequence 2112, Ap	C 956	31.1	3.5	31	17	US-10-403-676-154	Sequence 154, Appl
C 885	31.6	3.6	7066	18	US-10-723-860-6378	Sequence 6378, Ap	C 957	31.1	3.5	407	10	US-09-918-995-14332	Sequence 14332, A
C 886	31.6	3.6	15297	13	US-10-003-295-3	Sequence 3, Appl1	C 958	31.1	3.5	468	10	US-09-918-995-27925	Sequence 27925, A
C 887	31.6	3.6	15297	16	US-10-660-763-3	Sequence 3, Appl1	C 959	31.1	3.5	543	13	US-10-027-632-188821	Sequence 188821, A
C 888	31.6	3.6	34551	15	US-10-017-161-2231	Sequence 2231, Ap	C 960	31.1	3.5	543	13	US-10-027-632-188822	Sequence 188822, A
							C 961	31.1	3.5	543	13	US-10-027-632-188823	Sequence 188823, A

962	31	3.5	543	15	US-10-027-632-188821	Sequence 188821, A	1035	31	3.5	4277	14	US-10-176-925-439	Sequence 439, App
963	31	3.5	543	15	US-10-027-632-188822	Sequence 188822, A	1036	31	3.5	4277	14	US-10-176-978-439	Sequence 439, App
964	31	3.5	543	15	US-10-027-632-188823	Sequence 188823, A	1037	31	3.5	4277	14	US-10-179-510-439	Sequence 439, App
C 965	31	3.5	719	15	US-10-027-632-124921	Sequence 124921, A	1038	31	3.5	4277	14	US-10-180-540-439	Sequence 439, App
C 966	31	3.5	719	15	US-10-027-632-124921	Sequence 124921, A	1039	31	3.5	4277	14	US-10-180-544-439	Sequence 439, App
C 967	31	3.5	748	18	US-10-425-115-95832	Sequence 95832, A	1040	31	3.5	4277	14	US-10-180-546-439	Sequence 439, App
C 968	31	3.5	749	16	US-10-425-114-28284	Sequence 28284, A	1041	31	3.5	4277	14	US-10-180-547-439	Sequence 439, App
C 969	31	3.5	753	16	US-10-424-599-42339	Sequence 42339, A	1042	31	3.5	4277	14	US-10-180-548-439	Sequence 439, App
C 970	31	3.5	790	13	US-10-027-632-160884	Sequence 160884, A	1043	31	3.5	4277	14	US-10-180-555-439	Sequence 439, App
971	31	3.5	790	15	US-10-027-632-160884	Sequence 160884, A	1044	31	3.5	4277	14	US-10-180-555-439	Sequence 439, App
972	31	3.5	802	18	US-10-425-115-136698	Sequence 136698, A	1045	31	3.5	4277	14	US-10-181-000-439	Sequence 439, App
973	31	3.5	851	16	US-10-425-114-25382	Sequence 25382, A	1046	31	3.5	4277	14	US-10-183-010-439	Sequence 439, App
C 974	31	3.5	1191	16	US-10-425-114-47221	Sequence 4721, App	1047	31	3.5	4277	14	US-10-183-010-439	Sequence 439, App
C 975	31	3.5	1341	10	US-09-880-505-93	Sequence 93, App	1048	31	3.5	4277	14	US-10-183-011-439	Sequence 439, App
C 976	31	3.5	1341	13	US-10-051-6643-93	Sequence 93, App	1049	31	3.5	4277	14	US-10-184-621-439	Sequence 439, App
977	31	3.5	1343	9	US-09-887-576-481	Sequence 481, App	1050	31	3.5	4277	14	US-10-184-622-439	Sequence 439, App
978	31	3.5	1344	9	US-09-887-576-576	Sequence 576, App	1051	31	3.5	4277	14	US-10-184-623-439	Sequence 439, App
979	31	3.5	1385	17	US-10-437-963-64591	Sequence 64591, A	1052	31	3.5	4277	14	US-10-184-631-439	Sequence 439, App
C 980	31	3.5	1599	17	US-10-479-284-47	Sequence 47, App	1053	31	3.5	4277	14	US-10-184-646-439	Sequence 439, App
C 981	31	3.5	2178	15	US-10-050-882-17	Sequence 17, App	1054	31	3.5	4277	14	US-10-184-652-439	Sequence 439, App
C 982	31	3.5	2581	15	US-10-104-047-1373	Sequence 1373, App	1055	31	3.5	4277	14	US-10-184-654-439	Sequence 439, App
C 983	31	3.5	3550	15	US-10-098-871-11	Sequence 11, App	1056	31	3.5	4277	14	US-10-187-556-439	Sequence 439, App
984	31	3.5	3636	15	US-10-331-4664-6	Sequence 6, App	1057	31	3.5	4277	14	US-10-187-556-439	Sequence 439, App
985	31	3.5	4277	10	US-09-946-374-57	Sequence 57, App	1058	31	3.5	4277	14	US-10-187-885-439	Sequence 439, App
986	31	3.5	4277	13	US-10-052-586-439	Sequence 439, App	1059	31	3.5	4277	14	US-10-187-885-439	Sequence 439, App
987	31	3.5	4277	13	US-10-174-590-439	Sequence 439, App	1060	31	3.5	4277	14	US-10-187-885-439	Sequence 439, App
988	31	3.5	4277	14	US-10-176-758-439	Sequence 439, App	1061	31	3.5	4277	14	US-10-187-885-439	Sequence 439, App
989	31	3.5	4277	14	US-10-175-737-439	Sequence 439, App	1062	31	3.5	4277	14	US-10-187-885-439	Sequence 439, App
990	31	3.5	4277	14	US-10-174-581-439	Sequence 439, App	1063	31	3.5	4277	14	US-10-176-751-439	Sequence 439, App
991	31	3.5	4277	14	US-10-176-483-439	Sequence 439, App	1064	31	3.5	4277	14	US-10-176-760-439	Sequence 439, App
992	31	3.5	4277	14	US-10-176-749-439	Sequence 439, App	1065	31	3.5	4277	14	US-10-176-990-439	Sequence 439, App
993	31	3.5	4277	14	US-10-176-914-439	Sequence 439, App	1066	31	3.5	4277	14	US-10-180-542-439	Sequence 439, App
994	31	3.5	4277	14	US-10-176-915-439	Sequence 439, App	1067	31	3.5	4277	14	US-10-180-548-439	Sequence 439, App
995	31	3.5	4277	14	US-10-173-706-439	Sequence 439, App	1068	31	3.5	4277	14	US-10-180-548-439	Sequence 439, App
996	31	3.5	4277	14	US-10-175-738-439	Sequence 439, App	1069	31	3.5	4277	14	US-10-180-551-439	Sequence 439, App
997	31	3.5	4277	14	US-10-175-752-439	Sequence 439, App	1070	31	3.5	4277	14	US-10-180-551-439	Sequence 439, App
998	31	3.5	4277	14	US-10-176-482-439	Sequence 439, App	1071	31	3.5	4277	14	US-10-180-998-439	Sequence 439, App
999	31	3.5	4277	14	US-10-176-757-439	Sequence 439, App	1072	31	3.5	4277	14	US-10-183-013-439	Sequence 439, App
1000	31	3.5	4277	14	US-10-176-913-439	Sequence 439, App	1073	31	3.5	4277	14	US-10-184-612-439	Sequence 439, App
1001	31	3.5	4277	14	US-10-180-552-439	Sequence 439, App	1074	31	3.5	4277	14	US-10-184-616-439	Sequence 439, App
1002	31	3.5	4277	14	US-10-173-700-439	Sequence 439, App	1075	31	3.5	4277	14	US-10-184-617-439	Sequence 439, App
1003	31	3.5	4277	14	US-10-174-572-439	Sequence 439, App	1076	31	3.5	4277	14	US-10-184-622-439	Sequence 439, App
1004	31	3.5	4277	14	US-10-174-579-439	Sequence 439, App	1077	31	3.5	4277	14	US-10-184-628-439	Sequence 439, App
1005	31	3.5	4277	14	US-10-174-582-439	Sequence 439, App	1078	31	3.5	4277	14	US-10-184-629-439	Sequence 439, App
1006	31	3.5	4277	14	US-10-174-588-439	Sequence 439, App	1079	31	3.5	4277	14	US-10-184-630-439	Sequence 439, App
1007	31	3.5	4277	14	US-10-175-739-439	Sequence 439, App	1080	31	3.5	4277	14	US-10-184-631-439	Sequence 439, App
1008	31	3.5	4277	14	US-10-175-740-439	Sequence 439, App	1081	31	3.5	4277	14	US-10-184-632-439	Sequence 439, App
1009	31	3.5	4277	14	US-10-176-987-439	Sequence 439, App	1082	31	3.5	4277	14	US-10-184-636-439	Sequence 439, App
1010	31	3.5	4277	14	US-10-176-987-439	Sequence 439, App	1083	31	3.5	4277	14	US-10-184-640-439	Sequence 439, App
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Publication No. US20030027249A1						
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 PRIOR APPLICATION NUMBER: PCT/US99/28551
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 PRIOR APPLICATION NUMBER: PCT/US01/21735
 PRIOR FILING DATE: 2001-07-09
 NUMBER OF SEQ ID NOS: 80
 SEQ ID NO 60
 LENGTH: 890
 TYPE: DNA
 ORGANISM: Homo Sapien
 US-09-931-836-60

Query Match 100.0%; Score 890; DB 10; Length 890;
 Best Local Similarity 100.0%; Pred. No. 7,5e-285;
 Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 1 AAGTACTGTGTGTCGGGTGTGATGATAGCTGCGAGCCCTGGAAAGCTGCTGTCC 60
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 121 ACTGTACTGGGTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
 181 CCATGAGGCGCTTGGAGAGAGACACCTCTTTTGGCCAGGCGCTTGAAGTTTCTACCC 240
 181 CCATGAGGCGCTTGGAGAGAGACACCTCTTTTGGCCAGGCGCTTGAAGTTTCTACCC 240
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 301 CACCTCTGATGAGAGCGCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 360
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 361 CCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
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 661 AAGCACCAGTTCTAGACCCAGAACTACAGAGATCAAGACCTCAAGGCTCCCAAGG 720
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Db 721 AAGGGCCAGCGAGCCCAAGCAAAACGAGCAGAGTAGCTGCTGTAGATAGCCGCGC 780
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Db 841 TCTGATACAGAACCCCTTCTTTCCAAATTAAAAAAAATCATCAAA 890
RESULT 2
US-10-036-342-60
Sequence 60, Application US/10036342
Publication No US20020090681A1
GENERAL INFORMATION:
APPLICANT: Desnoyers, Luc
APPLICANT: Eacon, Dan L.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Stewart, Timothy A.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3030R1CS
CURRENT FILING DATE: 2001-12-26
PRIOR APPLICATION NUMBER: US/10/036,342
PRIOR FILING DATE: 2001-12-26
PRIOR APPLICATION NUMBER: 60/085579
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PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 80
SEQ ID NO 60
LENGTH: 890
TYPE: DNA
ORGANISM: Homo Sapien
US-10-036-342-60
Query Match 100.0%; Score 890; DB 13; Length 890;

Best Local Similarity 100.0%; Pred. No. 7.5e-285;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3

US-10-036-041-60
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; Publication No. US20020192751A1
; GENERAL INFORMATION:

; APPLICANT: Desmoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

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; APPLICANT: Gurney, Auelin L.  
; APPLICANT: Pan, James  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Macanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3030R1C  
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; PRIOR APPLICATION NUMBER: 60/085579  
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; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: PCT/US01/21735
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 80
; SEQ ID NO 60
; LENGTH: 890
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-036-041-60

Query Match      100.0%; Score 890; DB 13; Length 890;
Best Local Similarity 100.0%; Pred. No. 7.5e-285;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 AAGTACTGTGTCCGGGTGTGTGATGATGATGAGGCGCGGAGGCGCTGTCC 60
Db 1 AAGTACTGTGTCCGGGTGTGTGATGATGATGAGGCGCGGAGGCGCTGTCC 60
Oy 61 TTTCCTCTGTCTTAACCAAGAGTGCCCATGAGGTGGAACAATGAGGCTGTACAGCAGC 120
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RESULT 4
US-10-035-855-60
; Sequence 60, Application US/10035855
; Publication No. US2003008348A1
; GENERAL INFORMATION:
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3030R1C4
; CURRENT APPLICATION NUMBER: US/10/035,855
; CURRENT FILING DATE: 2001-12-26
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PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 80
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TYPE: DNA
ORGANISM: Homo Sapien
US-10-035-955-60
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Best Local Similarity 100.0%; Pred. No. 7,56-285;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 5
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 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, J. Christopher
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stephan, Jean-Philippe F.
 ; APPLICANT: Watanabe, Colin L.
 ; APPLICANT: Wood, William I.
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; TITLE OF INVENTION: ACTS ENCODING THE SAME
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Query Match 100.0%; Score 890; DB 14; Length 890;
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Db 61 TTCTCCCTGTGCTTAACAGAGGTGCCATGSGTTGGAACAATGAGCTGTGACACAGC 120
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Qy 181 CCAATGAGGCCCTCTTGTGACGAGGACACCTCTTTGCGAGGCTTGAAGTTTCTAACCC 240
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RESULT 6
US-10-036-214-60

Sequence 60, Application US/10036214
Publication No. US20030032061A1.
GENERAL INFORMATION:
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Stewart, Timothy A.
APPLICANT: Matanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zhen
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3030R1C11
CURRENT APPLICATION NUMBER: US/10/036,214
CURRENT FILING DATE: 2001-12-26
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ORGANISM: Homo Sapien
US-10-036-214-60
Query Match 100.0%; Score 890; DB 14; Length 890;
Best Local Similarity 100.0%; Pred. No. 7, 5e-285;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AAGTACTGTGTCCGGGTGTGACATGATGTTAGTCTGGGAGCCCTGGAAGCTGCTTCC 60
DB 1 AAGTACTGTGTCCGGGTGTGACATGATGTTAGTCTGGGAGCCCTGGAAGCTGCTTCC 60
QY 61 TTCTCCCTGTGCTTAACCAAGAGTGCCCATGGGTTGGACAATGAGGCTGGTCAAGCAGC 120
DB 61 TTCTCCCTGTGCTTAACCAAGAGTGCCCATGGGTTGGACAATGAGGCTGGTCAAGCAGC 120
QY 121 ACTGTTACTGGGTCTCATGATGTTGTGCTCACTGGAGACGAGATGAGAAAGCCGCTGTGC 180
DB 121 ACTGTTACTGGGTCTCATGATGTTGTGCTCACTGGAGACGAGATGAGAAAGCCGCTGTGC 180

QY 181 CCAATGAGCCCTTCTTGAGAGAGACCCCTCTTTTCCAGGCGCTTGAAGTTTCTTACCC 240
DB 181 CCAATGAGCCCTTCTTGAGAGAGACCCCTCTTTTCCAGGCGCTTGAAGTTTCTTACCC 240
QY 241 AGAGTTGGGGAACATTGGCTGCAAGTTGTCTCTGATGTATCACTACAGACAAAT 300
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DB 301 CACCTTCTGATGAGCCGATATGTCAGTTCCCGGGGGCGTGAACGCGCAACTATAT 360
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QY 421 ACATTGGCTGTATCAAGATATCAAGGGCGCGCACTGAAAGAAAGAAATTTAGGGCCA 480
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QY 481 GGAATATAGGCTTCCAGGCTCCCTCCCAACCGGCAACAGTGGCTTCCATCGTACCA 540
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DB 601 TCGAGGCTCTTGAGAAATGAGACAGTTTCTGACCGCTTCCACTGGGGCAACTGAGC 660
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DB 721 AAGGCGCCAGGAGCCCAAGCAACAAACCAAGCAAGATAGTGTGCTGTATAGCCGAC 780
QY 781 TTTGCGATCCGAGGATGAGGCGACACTGTCTGACCAACCGACGATGTGGTATGACCC 840
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QY 841 TCTGATATCAGAACCCCTTCTTTCCAAATTTAAAAAATCATCAAA 890
DB 841 TCTGATATCAGAACCCCTTCTTTCCAAATTTAAAAAATCATCAAA 890

RESULT 7

US-10-035-719-60
Sequence 60, Application US/10035719
Publication No. US2003003611A1
GENERAL INFORMATION:
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Stewart, Timothy A.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3030R1C2
CURRENT FILING DATE: 2001-12-26
CURRENT FILING DATE: 2001-12-26
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/112514

PRIOR FILING DATE: 1998-12-15
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PRIOR APPLICATION NUMBER: 60/146970
PRIOR FILING DATE: 1999-08-03
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PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: 09/816744
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: 09/854208
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PRIOR FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: 09/908,827
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: PCT/US99/10733
PRIOR FILING DATE: 1999-05-14

;; PRIOR APPLICATION NUMBER: PCT/US99/28551
;; PRIOR FILING DATE: 1999-12-02
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;; PRIOR FILING DATE: 1999-12-22
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;; PRIOR FILING DATE: 2001-07-09
;; NUMBER OF SEQ ID NOS: 80
;; SEQ ID NO 60
;; LENGTH: 890
;; TYPE: DNA
;; ORGANISM: Homo Sapien
US-10-035-719-60

Query Match 100.0%; Score 890; DB 14; Length 890;
Best Local Similarity 100.0%; Pred. No. 7,5e-285;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGTACTTGTGTCCGGGTGTGACTGATTAAGCTGCGAGACCTTGAAAGCTGCTGTCC 60
DB 1 AAGTACTTGTGTCCGGGTGTGACTGATTAAGCTGCGAGACCTTGAAAGCTGCTGTCC 60
QY 61 TTCTCCCTGTGCTTAACCAAGGTGCTGATTTGACATATAGGCTGTGTCACAGCAGC 120
DB 61 TTCTCCCTGTGCTTAACCAAGGTGCTGATTTGACATATAGGCTGTGTCACAGCAGC 120
QY 121 ACTGTACTGGGTCTCATGATGTGTGTCATGAGACGAGGATGAGAACAGCCGTGTGC 180
DB 121 ACTGTACTGGGTCTCATGATGTGTGTCATGAGACGAGGATGAGAACAGCCGTGTGC 180
QY 181 CCATGAGGCCCTCTTGAACGAGACACCTCTTTTGCAGGGCCTTGAAAGTTTCTAACC 240
DB 181 CCATGAGGCCCTCTTGAACGAGACACCTCTTTTGCAGGGCCTTGAAAGTTTCTAACC 240
QY 241 AGAATTGGGGAACATTGGCTGCAAGCTTCTCTGATTTGTAACAATPACAGCAAGAGAT 300
DB 241 AGAATTGGGGAACATTGGCTGCAAGCTTCTCTGATTTGTAACAATPACAGCAAGAGAT 300
QY 301 CACCTCTGATGAGCCGATATGCAAGTTCCCGGGGCGTGGACGGCGCACTATAT 360
DB 301 CACCTCTGATGAGCCGATATGCAAGTTCCCGGGGCGTGGACGGCGCACTATAT 360
QY 361 CTTGTATGTGTGATCCAGATGCTCCCTAGACAGCAAGAACCCAGACAGAGATTCTGAG 420
DB 361 CTTGTATGTGTGATCCAGATGCTCCCTAGACAGCAAGAACCCAGACAGAGATTCTGAG 420
QY 421 ACATTGGCTGTATCAGATATCAAGGGGCGGACCTGAAGAAAGGAAAGATTCAAGGGCCA 480
DB 421 ACATTGGCTGTATCAGATATCAAGGGGCGGACCTGAAGAAAGGAAAGATTCAAGGGCCA 480

QY 481 GAGATTATCAGCTTACAGAGGCTCCCTCCCAACCGGACACAGTGGCTTCATCGCTACA 540
DB 481 GAGATTATCAGCTTACAGAGGCTCCCTCCCAACCGGACACAGTGGCTTCATCGCTACA 540
QY 541 GTTCTTTGTCTATTTTCAAGAAAGAAAGTATCTCTCTCTTCCCAAGAAACAAAC 600
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QY 601 TCGAGCTCTTGGAAAAATGACAGATTCTTGAACCGGCTCCACCTGGGCGAACCTGAAAC 660
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QY 661 AAGCACCAGTTTCATGACCCAGAACCTACAGACTCAACACCTCCAGGCTCCAGAG 720
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QY 781 TTGGCATCCGGGATGTGGCCACACTGCTTCAACCGAGAGATGGGTATGAAACCCC 840
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QY 841 TCTGATATCAGAACCCCTCTTTTCCAAATTAATAAATAATCATCAAA 890
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RESULT 8
US-10-230-163-231

;; Sequence 231, Application US/10230163
;; Publication No. US2003003635A1
;; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Gerritsen, Mary
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gunney, Austin L.
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stephan, Jean-Philippe F.
;; APPLICANT: Watanabe, Colin L.
;; APPLICANT: Wood, William I.
;; TITLE OR INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3530P1C96
;; CURRENT APPLICATION NUMBER: US/10/230,163
;; PRIOR FILING DATE: 2002-08-28
;; PRIOR APPLICATION NUMBER: 10/119,480
;; PRIOR FILING DATE: 2002-04-09
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;; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 890; DB 14; Length 890;
Best Local Similarity 100.0%; Pred. No. 7,5e-285;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 TTCTCCGTGTCTAACCCAGAGGTGCCCATGGTTGACATGAGGCTGTGCAGACAGC 120
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QY 181 CGATGAGCCCTCTTGGACGAGACACCTCTTTTGGCAGGGCTTGAAGTTTCTACCC 240
DB 181 CGATGAGCCCTCTTGGACGAGACACCTCTTTTGGCAGGGCTTGAAGTTTCTACCC 240
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DB 301 CACCTCTGATGAGCGCATAGTCAAGTTCCCGGGGCGGTGACGGCGCAACTATAT 360
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DB 421 ACATTTGCTGTATCAAGATATCAAGGGGCGGCACTTGAAGAAAGGAAGATTCAGGGCCA 480
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DB 601 TCGAGGCTCTTGGAAATGACAGATTTCTGAACCGCTTCCACCTGGGCGAAACCTGAAGC 660
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DB 661 AAGCACCAGTTTCATGACCCAGAACTACAGAGCTCACCAACCTTCCAGGCTCCCAAGG 720
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DB 721 AAGGGCAGAGCCCAAGACCAAAACAGGACAGATAGCTGCTGTAGATAGCCGGC 780
QY 781 TTGSCCATCCGGGATGTGGCCACATGCTGACCAAGGATGAGGATGAGAAACCCCC 840
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QY 841 TCTGATACAGAACCCCTTCTTTTCCAAATTTAAAAAATCATCANA 890
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RESULT 9
US-10-036-160-60
Sequence 60, Application US/10036160
Publication No. US20030044842A1
GENERAL INFORMATION:
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan J.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Stewart, Timothy A.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P303OR13
CURRENT FILING DATE: 2001-12-26
CURRENT APPLICATION NUMBER: US/10/036,160
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-12-15
PRIOR APPLICATION NUMBER: 60/112514
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PRIOR FILING DATE: 1999-05-25
PRIOR APPLICATION NUMBER: 60/138166
PRIOR FILING DATE: 1999-06-08

PRIOR APPLICATION NUMBER: 60/144791
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PRIOR APPLICATION NUMBER: 60/146970
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/162506
PRIOR FILING DATE: 1999-10-29
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PRIOR FILING DATE: 1999-08-25
PRIOR APPLICATION NUMBER: 09/644848
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 09/747259
PRIOR FILING DATE: 2000-12-20
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PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: 09/854208
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PRIOR APPLICATION NUMBER: 09/854280
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PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: PCT/US99/28551
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30720
PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: PCT/US00/05601
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: 2000-03-02
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PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: PCT/US00/34956
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: PCT/US01/17800
PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: PCT/US01/19692
PRIOR FILING DATE: 2001-06-20
PRIOR APPLICATION NUMBER: PCT/US01/21066
PRIOR FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: PCT/US01/21735
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 80
SEQ ID NO 60
LENGTH: 890
TYPE: DNA
ORGANISM: Homo Sapien
US-10-036-160-60

Query Match 100.0%; Score 890; DB 14; Length 890;
Best Local Similarity 100.0%; Pred. No. 7.5e-285;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AAGTACTTGCTCGGGGTGGAGCTGATTTAGTGGGAGCCCTGGAGCTCTGTCC 60
Db 1 AAGTACTTGCTCGGGGTGGAGCTGATTTAGTGGGAGCCCTGGAGCTCTGTCC 60

Qy 61 TTCTCCGNGCTTAACAGAGGNGCCCATGGTTGGACAATAGCTGTGTCACAGAC 120
Db 61 TTCTCCGNGCTTAACAGAGGNGCCCATGGTTGGACAATAGCTGTGTCACAGAC 120
Qy 121 ACTGTACTGAGTCTCATGATGGTGTCACTGAGACGAGATGAGAACGCCGTGTGC 180
Db 121 ACTGTACTGAGTCTCATGATGGTGTCACTGAGACGAGATGAGAACGCCGTGTGC 180
Qy 181 CCATGAGGCCCTCTGGAGAGAGCAACCCCTTTTCCAGGGCTTGAAGTTTCTAACCC 240
Db 181 CCATGAGGCCCTCTGGAGAGAGCAACCCCTTTTCCAGGGCTTGAAGTTTCTAACCC 240
Qy 241 AGAGTTGGGAAACATTGGCTGCAAGGTTTCTGATTGTAACTACAGACAGAAAT 300
Db 241 AGAGTTGGGAAACATTGGCTGCAAGGTTTCTGATTGTAACTACAGACAGAAAT 300
Qy 301 CACCTCGATGATGAGACCCCATATGTCAGATTCCTGGGGGCCGTGACGGCCAACTATAT 360
Db 301 CACCTCGATGATGAGACCCCATATGTCAGATTCCTGGGGGCCGTGACGGCCAACTATAT 360
Qy 361 CTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
Db 361 CTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
Qy 421 ACATTGGCTGTGTAACAGATATCAAGGGCCGCACTGAAAGAGGAGATTCAAGGCCA 480
Db 421 ACATTGGCTGTGTAACAGATATCAAGGGCCGCACTGAAAGAGGAGATTCAAGGCCA 480
Qy 481 GAGATTATGAGCTTACAGAGCTCCCTCCGACAGAGAGAGAGAGAGAGAGAGAGAGAG 540
Db 481 GAGATTATGAGCTTACAGAGCTCCCTCCGACAGAGAGAGAGAGAGAGAGAGAGAGAG 540
Qy 541 GTTCTTGTCTATCTTCAAGAAAGAAAGTCTCTCTCTTCCAGAAACAAAC 600
Db 541 GTTCTTGTCTATCTTCAAGAAAGAAAGTCTCTCTCTTCCAGAAACAAAC 600
Qy 601 TCGAGGCTTGTGAAAGAAAGTCTGAAACCGCTTCCAGCTGGGCGAACTGAAAGC 660
Db 601 TCGAGGCTTGTGAAAGAAAGTCTGAAACCGCTTCCAGCTGGGCGAACTGAAAGC 660
Qy 661 AAGCACCAGTTCTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 720
Db 661 AAGCACCAGTTCTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 720
Qy 721 AAGGGCCAGCGAGCCCAAGCAAAACAGAGAGATGATGATGATGATGATGATGATGAT 780
Db 721 AAGGGCCAGCGAGCCCAAGCAAAACAGAGAGATGATGATGATGATGATGATGATGAT 780
Qy 781 TTTGCGATCGGGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 840
Db 781 TTTGCGATCGGGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 840
Qy 841 TCTGATACAGAACCCCTTTTCCAAATTAATAAATCATCAA 890
Db 841 TCTGATACAGAACCCCTTTTCCAAATTAATAAATCATCAA 890

RESULT 10
US-10-230-338-231

Sequence 231, Application US/10230338
Publication No. US20030044934A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C92
; CURRENT APPLICATION NUMBER: US/10/230,338
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 231
; LENGTH: 890
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-230-338-231
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Query Match      100.0%; Score 890; DB 14; Length 890;
Best Local Similarity 100.0%; Pred. No. 7.5e-285;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AAGTACTTGTGTCGCGGTGTGAGTGTGATGCTGCGAGACCCCTGGAAGCTGCTGTC 60
Db 1 AAGTACTTGTGTCGCGGTGTGAGTGTGATGCTGCGAGACCCCTGGAAGCTGCTGTC 60
QY 61 TTCTCCCTGTGCTTAACCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
Db 61 TTCTCCCTGTGCTTAACCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
QY 121 ACTGTACTGGGTCTCAATGATGTGTGCTCACTGAGACGAGATGAGAACCCGCTGTGC 180
Db 121 ACTGTACTGGGTCTCAATGATGTGTGCTCACTGAGACGAGATGAGAACCCGCTGTGC 180
QY 181 CCATGAGGCTCTTGTGACGAGACACCCCTTTTGGCAAGGCTTGAAGTTTCTACCC 240
Db 181 CCATGAGGCTCTTGTGACGAGACACCCCTTTTGGCAAGGCTTGAAGTTTCTACCC 240
QY 241 AGAGTTGGGGAACATTTGGCTGCAAGTTTCTGATTGTAACAATACAGAGAAAT 300
Db 241 AGAGTTGGGGAACATTTGGCTGCAAGTTTCTGATTGTAACAATACAGAGAAAT 300
QY 301 CACCTCTGATGATGAGCGGATGCAAGTTTCCCGGGGGCTTGAACCGGCAACTATAT 360
Db 301 CACCTCTGATGATGAGCGGATGCAAGTTTCCCGGGGGCTTGAACCGGCAACTATAT 360
QY 361 CCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
Db 361 CCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
QY 421 ACATTTGCTGTAAACAGATTAACAGGCGCGGACCTTGAAGAAAGGAAGATTTCAGGCGCA 480
Db 421 ACATTTGCTGTAAACAGATTAACAGGCGCGGACCTTGAAGAAAGGAAGATTTCAGGCGCA 480
QY 481 GGAAGTATACGCTTACCAAGGCTCCCTCCCAACCGGCAACAGTGGCTTTCATGCTACCA 540
Db 481 GGAAGTATACGCTTACCAAGGCTCCCTCCCAACCGGCAACAGTGGCTTTCATGCTACCA 540
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QY 541 GTTCTTTGTCTATCTTACGAGAGAAAGTATCTCTCTCTTCCCAAGAAACAAAC 600
Db 541 GTTCTTTGTCTATCTTACGAGAGAAAGTATCTCTCTCTTCCCAAGAAACAAAC 600
QY 601 TCGAGGCTCTTGAAGAAATGACAGATTTCTGAACCGCTTCACTGGCGAACTGAAGC 660
Db 601 TCGAGGCTCTTGAAGAAATGACAGATTTCTGAACCGCTTCACTGGCGAACTGAAGC 660
QY 661 AAGCACCGAGTTCAATGACCCGAACTACAGAGCTACCAACCTCCAGGCTCCCAAGG 720
Db 661 AAGCACCGAGTTCAATGACCCGAACTACAGAGCTACCAACCTCCAGGCTCCCAAGG 720
QY 721 AAGGCGCAGCGAGCCCAAGCAACAAACAGGCAAGATAGCTGCTGCTAGATAGCCGCG 780
Db 721 AAGGCGCAGCGAGCCCAAGCAACAAACAGGCAAGATAGCTGCTGCTAGATAGCCGCG 780
QY 781 TTTGCTATCCGGGATGTGGCCACACTGCTCACACCGAGCATGTGGGTATGAAACCCCC 840
Db 781 TTTGCTATCCGGGATGTGGCCACACTGCTCACACCGAGCATGTGGGTATGAAACCCCC 840
QY 841 TCTGATACAGAACCCCTCTTCCAAATTAAAAAATCATCAAA 890
Db 841 TCTGATACAGAACCCCTCTTCCAAATTAAAAAATCATCAAA 890
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RESULT 11

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US-10-218-631-231
; Sequence 231, Application US/10218631
; Publication No. US20030045687A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Deenoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Audrey
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Macanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C14
; CURRENT APPLICATION NUMBER: US/10/218,631
; PRIOR FILING DATE: 2002-08-12
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
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; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 231
; LENGTH: 890
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-218-631-231
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;; PRIOR FILING DATE: 2001-05-10
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;; PRIOR APPLICATION NUMBER: 09/869599
;; PRIOR FILING DATE: 2001-06-29
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;; PRIOR APPLICATION NUMBER: PCT/US99/10733
;; PRIOR FILING DATE: 1999-05-14
;; PRIOR APPLICATION NUMBER: PCT/US99/28551
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/30720
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;; PRIOR FILING DATE: 2001-06-01
;; PRIOR APPLICATION NUMBER: PCT/US01/19692
;; PRIOR FILING DATE: 2001-06-20
;; PRIOR APPLICATION NUMBER: PCT/US01/21066
;; PRIOR FILING DATE: 2001-06-29
;; PRIOR APPLICATION NUMBER: PCT/US01/21735
;; NUMBER OF SEQ ID NOS: 80
;; SEQ ID NO 60
;; LENGTH: 890
;; TYPE: DNA
;; ORGANISM: Homo Sapien
US-10-035-958-60

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Best Local Similarity 100.0%; Pred. No. 7.5e-285;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGTACTTGTGTCGCGGTGTGACTGATTAAGTTCGCGAGCCCTGGAAGCTGCTGTC 60
DB 1 AAGTACTTGTGTCGCGGTGTGACTGATTAAGTTCGCGAGCCCTGGAAGCTGCTGTC 60
QY 61 TTCTCCCTGCTTAACCAAGAGTGCCCAATGGTTGACAAATGAGGCTGGTCAAGCAGC 120
DB 61 TTCTCCCTGCTTAACCAAGAGTGCCCAATGGTTGACAAATGAGGCTGGTCAAGCAGC 120
QY 121 ACTGTACTGGTCTCATGTAGTGTGCTCACTGAGAGCAGAGATGAAACAGCCCGTGTGC 180
DB 121 ACTGTACTGGTCTCATGTAGTGTGCTCACTGAGAGCAGAGATGAAACAGCCCGTGTGC 180
QY 181 CCAATGAGCCCTCTTGGACGAGGACACCCCTCTTTTGGCAGGGCCTTGAAGTTTCTACCC 240
DB 181 CCAATGAGCCCTCTTGGACGAGGACACCCCTCTTTTGGCAGGGCCTTGAAGTTTCTACCC 240

QY 241 AGAGTTGGGGAACATTGGCTGCAGAGTTGTTCTGATTTGTAACAATAACAGACAGAGAT 300
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QY 301 CACCTCTGATGAGCCGATAGTCAAGTTCCCGGGGCGGTGACCGGCGCAACTATAT 360
DB 301 CACCTCTGATGAGCCGATAGTCAAGTTCCCGGGGCGGTGACCGGCGCAACTATAT 360
QY 361 CCGGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
DB 361 CCGGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
QY 421 ACATTGGCTGTTAACAATATCAAGGCGCGCACTGAAGAAAGGAATTCAGGCGCA 480
DB 421 ACATTGGCTGTTAACAATATCAAGGCGCGCACTGAAGAAAGGAATTCAGGCGCA 480
QY 481 GGAATTATCAAGCTTACCAAGGCTCCCTCCCAACCGGCAACAGTGGCTTCCATGCTACA 540
DB 481 GGAATTATCAAGCTTACCAAGGCTCCCTCCCAACCGGCAACAGTGGCTTCCATGCTACA 540
QY 541 GTTCTTTGCTATTTTCAAGAGAAAGAAAGTATCTCTCTCTTCCCAAGAAACAAAC 600
DB 541 GTTCTTTGCTATCTTCAAGAGAAAGAAAGTATCTCTCTCTTCCCAAGAAACAAAC 600
QY 601 TCGAGGCTTTGAAATGAGACAGATTCTGAAACCGCTTCACTGGGCGAACTGAAAGC 660
DB 601 TCGAGGCTTTGAAATGAGACAGATTCTGAAACCGCTTCACTGGGCGAACTGAAAGC 660
QY 661 AAGACCCAGTTCAATGACCAAGAACTACAGAACTCAACACCTCCAGGCTCCAGAGG 720
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QY 721 AAGGCGCAGGAGCCCAAGCAAAACCAAGCAGAGATAGTGTCTGATATGCGGCG 780
DB 721 AAGGCGCAGGAGCCCAAGCAAAACCAAGCAGAGATAGTGTCTGATATGCGGCG 780
QY 781 TTGGCCATCCGGGATGTGCGCACTGCTCAACCAAGAGATGAGTGGATGAAACCCC 840
DB 781 TTGGCCATCCGGGATGTGCGCACTGCTCAACCAAGAGATGAGTGGATGAAACCCC 840

RESULT 13
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; Sequence 60, Application US/10036150
; Publication No. US20030049734A1
; GENERAL INFORMATION:
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OR INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P9030R1C9
; CURRENT APPLICATION NUMBER: US/10/036,150
; CURRENT FILING DATE: 2001-12-26
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/112514
; PRIOR FILING DATE: 1998-12-15
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; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113430
; PRIOR FILING DATE: 1998-12-23

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PRIOR FILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 60/125774
PRIOR FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: 60/125778
PRIOR FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: 60/125826
PRIOR FILING DATE: 1999-03-24
PRIOR APPLICATION NUMBER: 60/127035
PRIOR FILING DATE: 1999-03-31
PRIOR APPLICATION NUMBER: 60/127706
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PRIOR APPLICATION NUMBER: 60/146970
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/162506
PRIOR FILING DATE: 1999-10-29
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PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 09/380142
PRIOR FILING DATE: 1999-08-25
PRIOR APPLICATION NUMBER: 09/644848
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 09/747259
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: 09/816744
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: 09/854208
PRIOR FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: 09/854280
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PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: PCT/US99/28551
PRIOR FILING DATE: 1999-12-02
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PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: PCT/US00/05601

PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: PCT/US00/05841
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PRIOR FILING DATE: 2000-05-22
PRIOR APPLICATION NUMBER: PCT/US00/15264
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PRIOR FILING DATE: 2000-08-23
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PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: PCT/US01/06520
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PRIOR APPLICATION NUMBER: PCT/US01/17800
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PRIOR APPLICATION NUMBER: PCT/US01/19692
PRIOR FILING DATE: 2001-06-20
PRIOR APPLICATION NUMBER: PCT/US01/21066
PRIOR FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: PCT/US01/21735
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 80
SEQ ID NO 60
LENGTH: 890
TYPE: DNA
ORGANISM: Homo Sapien
US-10-036-150-60

Query Match 100.0%; Score 890; DB 14; Length 890;
Best Local Similarity 100.0%; Pred. No. 7.5e-285;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGTACTGTGTCCGGGTTGGTGAAGTGAATTAAGTCCGAGCCCTGGAAAGCTGCTGCC 60
Db 1 AAGTACTGTGTCCGGGTTGGTGAAGTGAATTAAGTCCGAGCCCTGGAAAGCTGCTGCC 60
QY 61 TTCTCCCTGTGCTTAACGAGAGTGCCCATGGGTTGGAACAATGAGGCTGTCAAGCAGC 120
Db 61 TTCTCCCTGTGCTTAACGAGAGTGCCCATGGGTTGGAACAATGAGGCTGTCAAGCAGC 120
QY 121 ACTGTTAATCGGTCTCAATGATGCTGTCACTGAGACAGAGATGAACACGCCGTGTGC 180
Db 121 ACTGTTAATCGGTCTCAATGATGCTGTCACTGAGACAGAGATGAACACGCCGTGTGC 180
QY 181 CCATGAGGCCCTCTTGACGAGACACCCCTTTTTCAGAGGCTTGAAGTTTCTATCCC 240
Db 181 CCATGAGGCCCTCTTGACGAGACACCCCTTTTTCAGAGGCTTGAAGTTTCTATCCC 240
QY 241 AAGTTGGGGAACATTTGCTGCAAGTTGTTCTGATTGTAAACAATAACAGACAGAAGAT 300
Db 241 AAGTTGGGGAACATTTGCTGCAAGTTGTTCTGATTGTAAACAATAACAGACAGAAGAT 300
QY 301 CACCTCTGATGAGCGCATAGTCAAGTCCCGGGGGCCCTGACGCGGCAACTATAT 360
Db 301 CACCTCTGATGAGCGCATAGTCAAGTCCCGGGGGCCCTGACGCGGCAACTATAT 360
QY 361 CCTGTGATGTGATCCAGATGCGCCCTAGCAGACAGAACCCAGACAGATTTCTGGAG 420
Db 361 CCTGTGATGTGATCCAGATGCGCCCTAGCAGACAGAACCCAGACAGATTTCTGGAG 420
QY 421 ACATTGGCTGTAAACAGTATCAAGGCGCGGACCTTAAGAAAGGAAATTCAAGGCCCA 480
Db 421 ACATTGGCTGTAAACAGTATCAAGGCGCGGACCTTAAGAAAGGAAATTCAAGGCCCA 480
QY 481 GGAATTATCAGCTACAGAGCTCCCTCCCAACGGGACACAGTGGCTTCCATGCTACCA 540
Db 481 GGAATTATCAGCTACAGAGCTCCCTCCCAACGGGACACAGTGGCTTCCATGCTACCA 540
QY 541 GTTCTTTGTATCTTACGAGAAAGAAAGTATCTCTCTTCCCAAGAAAAAACAAC 600

Db	541	GTTCCTTTGTCTATCTTTACAGAAAGAAAAGTCATCTCTCTCTCCACAGAAAAACAAAAC	600
Qy	601	TCGAGGCTCTTGGAAAATGACAGATTTCTGAACCGCTTCCACTG3GCGAACCCTGAAGC	660
Db	601	TCGAGGCTCTTGGAAAATGACAGATTTCTGAACCGCTTCCACTG3GCGAACCCTGAAGC	660
Qy	661	AAGCAACCCAGTTCATGACCCACAGACTCAACAGACCTCAACCCCTCAGGCTCCCAAGG	720
Db	661	AAGCAACCCAGTTCATGACCCACAGACTCAACAGACCTCAGGCTCCCAAGG	720
Qy	721	AAGGCGCAGCGAGCCCAAGCACAACAAACACAGGCGAGATAGCTGCTGCTAGATAGCGGC	780
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Qy	781	TTTGGCATTCCGGGCAATGTGGCCACACTGCTCACCAACGACGATGTGGGTATGGAAACCCC	840
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Qy	841	TCTGGATACAGAACCCCTCTTTCCCAATTTAAAAAAAATCATCAAA	890
Db	841	TCTGGATACAGAACCCCTCTTTCCCAATTTAAAAAAAATCATCAAA	890

```
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Guirey, Austin L.
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stephan, Jean-Philippe F.
/ APPLICANT: Watanabe, Colin L.
/ APPLICANT: Wood, William I.
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3530P1C11
/ CURRENT FILING DATE: 2002-08-29
/ PRIOR FILING DATE: 10/119,480
/ PRIOR FILING DATE: 2002-04-09
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/062287
/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/063549
/ PRIOR FILING DATE: 1997-10-28
/ PRIOR APPLICATION NUMBER: 60/064103
/ PRIOR FILING DATE: 1997-10-31
/ PRIOR APPLICATION NUMBER: 60/069873
/ PRIOR FILING DATE: 1997-12-17
/ PRIOR APPLICATION NUMBER: 60/078910
/ PRIOR FILING DATE: 1998-03-20
/ PRIOR APPLICATION NUMBER: 60/079294
/ PRIOR FILING DATE: 1998-03-25
/ PRIOR APPLICATION NUMBER: 60/079656
/ PRIOR FILING DATE: 1998-03-26
/ PRIOR APPLICATION NUMBER: 60/079728
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 246
/ SEQ ID NO 231
/ LENGTH: 890
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-10-232-224-231
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Query Match 100.0%; Score 890; DB 14; Length 890;
Best Local Similarity 100.0%; Pred. No. 7.5e-285;
Matches 890; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 AAGTACTGTGTCCGGGTGTGTGACTGGATTAGCTGCGAGCCCTGGAAGCTGCTGTCC 60
QY 61 TTCTCCCTGTGCTTAACCAAGAGTGGCCATGGGTTTGAACAATGAGGCTGTGACAGCAGC 120
DB 61 TTCTCCCTGTGCTTAACCAAGAGTGGCCATGGGTTTGAACAATGAGGCTGTGACAGCAGC 120
QY 121 ACTGTTACTGGGTCATGATGTGTGTCATCTGAGAGAGAGATGAGAAACGCGGTGTGC 180
DB 121 ACTGTTACTGGGTCATGATGTGTGTCATCTGAGAGAGAGATGAGAAACGCGGTGTGC 180
QY 181 CCATGAGGCGCTTTGAGAGAGACACCTCTTTTGGCAGGCGCTTGAAGTTTCTACCC 240
DB 181 CCATGAGGCGCTTTGAGAGAGACACCTCTTTTGGCAGGCGCTTGAAGTTTCTACCC 240
QY 241 AGAGTTGGGGAACATTGGCTGCAAGTGTTCCTGATTGTAACAACCTACAGACAGAAAGAT 300
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DB 301 CACCTCTGATGAGCGCATAGTCAAGTTCCTGGGGCGGTGAGCGGCGCAACTATAT 360
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DB 601 TCGAGGCTCTTGGAAATGAGACAGATTTTGAACGCTTCCACTGGGCAACTGAGC 660
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DB 661 AAGCACCAGTTATGACCCAGAACAGACAGAGACTACCAACCTCCAGGCTCCAGAG 720
QY 721 AAGGCGCAGGAGCCCAAGCAAAAACAGGAGAGATAGCTGCTGATGATAGCGGCG 780
DB 721 AAGGCGCAGGAGCCCAAGCAAAAACAGGAGAGATAGCTGCTGATGATAGCGGCG 780
QY 781 TTGGCCATCCGGGCATGTGGCCCACTGCTCAACCAAGATGTGGTATGAAACCCCG 840
DB 781 TTGGCCATCCGGGCATGTGGCCCACTGCTCAACCAAGATGTGGTATGAAACCCCG 840
QY 841 TCTGATACAGAACCCCTTCTTTTCCAAATTAATAAATAATCATCAAA 890
DB 841 TCTGATACAGAACCCCTTCTTTTCCAAATTAATAAATAATCATCAAA 890
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Search completed: January 30, 2005, 17:06:31
Job time : 698 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 30, 2005, 13:13:52 ; Search time 3409 Seconds
(without alignment)
9513.453 Million cell updates/sec

Title: US-10-035-958-60

Perfect score: 890

Sequence: 1 aagactctggtccggctg.....taaaaaaaaaatcatcaaa 890

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 32822875 seqs, 18219855908 residues

Total number of hits satisfying chosen parameters: 65645750

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 1500 summaries

Database :

EST:
1: gb_est1:
2: gb_est2:
3: gb_hlc:
4: gb_est3:
5: gb_est4:
6: gb_est5:
7: gb_est6:
8: gb_gss1:
9: gb_gss2:

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	833.2	93.6	874	3	AY037148 Homo sapi
2	655	72.7	716	5	BU682658 UI-CF-RC1
3	646.8	72.7	749	4	BGS45668
4	637	71.6	685	5	BU682973
5	631.4	70.9	681	5	BU683324 UI-CF-RC1
6	620	69.7	663	5	BU731651 UI-E-C11-
7	616	69.2	796	4	BG203405 RST2786
8	615.8	69.2	729	6	CD370545 UI-H-FT1-
9	602	67.6	660	5	BU678191 UI-CF-RC0
10	598.6	67.3	621	6	CA440136 UI-H-DT1-
11	584	65.6	620	5	BF852989
12	576	64.7	603	5	BU680465 UI-CF-RC1
13	572.8	64.4	624	5	BM984582 UI-CF-RC1
14	550.8	61.9	563	2	BF852995
15	548.2	61.6	548	2	BF853000
16	535	60.1	547	1	AI1816715
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18	534	60.0	597	4	BI010796
19	516.6	58.0	627	4	BI010793
20	515	57.9	523	2	BE044451
21	514.2	57.8	523	2	BE044451
22	510.2	57.3	534	1	AI936064
23	506.2	56.9	511	1	AA688029
24	503.8	56.6	564	2	BF854481

25	488.4	54.9	552	1	AI128954
26	470.4	52.9	683	6	CF181020
27	467	52.5	478	4	BM98446
28	457.8	51.4	640	7	CF367029
29	451.6	50.7	499	2	BF853920
30	447.2	50.2	755	7	CK783828
31	444.6	50.0	459	2	AM975331
32	443.6	49.8	457	2	AA192427
33	442.4	49.7	532	5	BF846558
34	442.4	49.7	532	5	BO329985
35	437.8	49.2	543	4	BI010755
36	429.8	48.3	690	7	CK981586
37	427.2	48.0	464	2	BF846063
38	423.4	47.6	605	7	CF793784
39	417	46.9	445	1	AJ572670
40	410	46.1	467	2	BF846065
41	408	45.8	463	2	BF848191
42	406.8	45.7	463	2	BF848190
43	400.2	45.0	452	7	W37255
44	400	44.9	462	2	BF846059
45	399.8	44.9	517	7	CF359042
46	398.4	44.8	400	1	AA661735
47	394.2	44.3	407	2	BF853537
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49	383.2	43.1	451	7	CF359576
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61	356.2	40.0	436	7	F36903
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63	353.6	39.7	463	2	BF848198
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65	348.4	38.0	573	4	BM189978
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68	330	37.1	352	7	H83927
69	329	37.0	548	4	BG740933
70	324	36.4	437	7	W33189
71	320	36.0	334	7	F24489
72	319	35.8	547	6	CB420692
73	310.4	34.9	316	1	AI382922
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77	285	32.0	331	7	F25113
78	275.2	30.9	280	7	F26660
79	272.8	30.7	277	7	F19507
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81	270	30.3	558	4	BM538776
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83	260	29.2	400	7	CF792426
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91	244.4	27.5	258	7	F31628
92	240.8	27.1	561	1	AI546994
93	232.8	26.2	260	7	F26233
94	226.4	25.4	413	2	BF599823
95	225.8	25.4	301	4	BI848187
96	224.8	25.3	242	2	BF853580
97	221.8	24.9	257	5	BO329874

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BF846065	QVO-EN05
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F19507	HSPD04111.H
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247	44.2	5.0	783	7	CO409477	EST839862	320	44.2	5.0	833	7	CO409180	CO409180	EST839565
248	44.2	5.0	783	7	CO410085	EST8400470	321	44.2	5.0	833	7	CO409763	CO409763	EST840148
249	44.2	5.0	787	7	CO414340	EST8444725	322	44.2	5.0	833	7	CO409925	CO409925	EST840310
250	44.2	5.0	789	7	CN783589	EST782280	323	44.2	5.0	833	7	CO410931	CO410931	EST841316
251	44.2	5.0	793	7	CO410528	EST840913	324	44.2	5.0	833	7	CO412235	CO412235	EST842620
252	44.2	5.0	793	7	CO410700	EST841085	325	44.2	5.0	833	7	CO412791	CO412791	EST843176
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254	44.2	5.0	795	7	CN785554	EST784245	327	44.2	5.0	834	7	CO411351	CO411351	EST841736
255	44.2	5.0	797	7	CO412131	EST842516	328	44.2	5.0	834	7	CO411366	CO411366	EST841751
256	44.2	5.0	800	7	CN785345	EST784036	329	44.2	5.0	835	7	CO412750	CO412750	EST843135
257	44.2	5.0	801	7	CO413945	EST844330	330	44.2	5.0	835	7	CN784073	CN784073	EST842764
258	44.2	5.0	802	7	CO410240	EST840625	331	44.2	5.0	835	7	CN784853	CN784853	EST783544
259	44.2	5.0	802	7	CO410291	EST840676	332	44.2	5.0	835	7	CN786012	CN786012	EST7834703
260	44.2	5.0	803	7	CO410893	EST841278	333	44.2	5.0	835	7	CO409346	CO409346	EST839731
261	44.2	5.0	804	7	CO413074	EST843459	334	44.2	5.0	835	7	CO409559	CO409559	EST839944
262	44.2	5.0	805	7	CN784974	EST783665	335	44.2	5.0	835	7	CO411651	CO411651	EST842036
263	44.2	5.0	806	7	CO410126	EST840511	336	44.2	5.0	835	7	CO411822	CO411822	EST842207
264	44.2	5.0	807	7	CN784506	EST783197	337	44.2	5.0	835	7	CO412112	CO412112	EST842497
265	44.2	5.0	807	7	CN785488	EST784179	338	44.2	5.0	835	7	CO412668	CO412668	EST843053
266	44.2	5.0	807	7	CO410196	EST840581	339	44.2	5.0	835	7	CO412671	CO412671	EST843056
267	44.2	5.0	808	7	CO411044	EST841429	340	44.2	5.0	835	7	CO412813	CO412813	EST843198
268	44.2	5.0	809	7	CO411447	EST841632	341	44.2	5.0	835	7	CO413223	CO413223	EST843608
269	44.2	5.0	811	7	CO411280	EST841685	342	44.2	5.0	835	7	CO413729	CO413729	EST844114
270	44.2	5.0	812	7	CO413580	EST843965	343	44.2	5.0	835	7	CO414535	CO414535	EST844820
271	44.2	5.0	812	7	CO414007	EST844392	344	44.2	5.0	836	7	CN783946	CN783946	EST782637
272	44.2	5.0	813	7	CO413544	EST844029	345	44.2	5.0	836	7	CO411024	CO411024	EST841409
273	44.2	5.0	814	7	CN784173	EST782864	346	44.2	5.0	836	7	CN784810	CN784810	EST783501
274	44.2	5.0	815	7	CN784797	EST783488	347	44.2	5.0	840	7	CN784155	CN784155	EST782846
275	44.2	5.0	815	7	CN785062	EST783753	348	44.2	5.0	862	7	CO412376	CO412376	EST842761
276	44.2	5.0	815	7	CO412610	EST842895	349	44.2	5.0	863	7	CO412548	CO412548	EST842933
277	44.2	5.0	816	7	CO410418	EST840803	350	44.2	5.0	870	7	CN785481	CN785481	EST784172
278	44.2	5.0	816	7	CO411127	EST841512	351	44.2	5.0	881	7	CN785528	CN785528	EST784219
279	44.2	5.0	816	7	CO412865	EST843250	352	44.2	5.0	596	2	AW152790	AW152790	JALBL3C04
280	44.2	5.0	817	7	CN784562	EST783423	353	44.2	4.9	647	2	AW152819	AW152819	JALBL3C15
281	44.2	5.0	817	7	CN785541	EST784232	354	43.8	4.9	523	6	CB214439	CB214439	BM569421
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283	44.2	5.0	817	7	CO409993	EST840378	356	43.4	4.9	573	6	CA305060	CA305060	Ab_adfc0.2
284	44.2	5.0	817	7	CO410580	EST840365	357	43.4	4.9	609	4	BM280647	BM280647	k103d02.y
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286	44.2	5.0	817	7	CO412561	EST842946	359	43.4	4.9	616	6	CA304387	CA304387	Ab_adfc0.1
287	44.2	5.0	817	7	CO414582	EST844967	360	43.4	4.9	630	6	CA304189	CA304189	Ab_adfc0.1
288	44.2	5.0	818	7	CO410537	EST840922	361	43.4	4.9	635	6	CA304762	CA304762	Ab_adfc0.2
289	44.2	5.0	818	7	CO414299	EST844684	362	43.4	4.9	642	4	BM515899	BM515899	kj54g10.y
290	44.2	5.0	819	7	CN783786	EST782477	363	43.4	4.9	644	4	BM280607	BM280607	k102h02.y
291	44.2	5.0	819	7	CN784736	EST783427	364	43.4	4.9	644	6	CA303663	CA303663	Ab_adfc0.0
292	44.2	5.0	820	7	CO413811	EST844196	365	43.4	4.9	671	6	CB4849832	CB4849832	k105h07.y
293	44.2	5.0	822	7	CO413555	EST843940	366	43.4	4.9	676	6	CB014919	CB014919	Ab_tgz.87
294	44.2	5.0	822	7	CO413643	EST844028	367	43.4	4.9	682	6	CB014521	CB014521	Ab_tgz.81
295	44.2	5.0	823	7	CO409789	EST840174	368	43.2	4.9	292	9	CG491092	CG491092	OST8457
296	44.2	5.0	823	7	CO414517	EST844502	369	43.2	4.9	437	1	A1815634	A1815634	au43d05.y
297	44.2	5.0	824	7	CO410675	EST841060	370	43.2	4.9	546	1	A1292478	A1292478	GHL5391.3
298	44.2	5.0	824	7	CO410781	EST841166	371	43.2	4.9	587	4	BI593007	BI593007	RHL0864.5
299	44.2	5.0	824	7	CO411330	EST841715	372	43.2	4.9	604	7	CK524922	CK524922	rw5f40.00
300	44.2	5.0	824	7	CO412839	EST843324	373	43.2	4.9	612	4	BI625463	BI625463	RH65897.5
301	44.2	5.0	825	7	CO409340	EST839725	374	43.2	4.9	638	1	A1238451	A1238451	GHL14494.5
302	44.2	5.0	825	7	CO409910	EST840295	375	43	4.8	341	4	BM569376	BM569376	kj60d01.y
303	44.2	5.0	825	7	CO410082	EST840467	376	43	4.8	563	4	BM517951	BM517951	k184h01.y
304	44.2	5.0	826	7	CO409656	EST840041	377	43	4.8	433	4	BM284014	BM284014	k136f09.y
305	44.2	5.0	827	7	CN783897	EST782588	378	43	4.8	884	9	CNS00600	CNS00600	AV065923
306	44.2	5.0	827	7	CN785602	EST784293	379	43	4.8	263	2	AW312690	AW312690	DRO80p11
307	44.2	5.0	827	7	CO413960	EST844345	380	42.8	4.8	275	7	CO261636	CO261636	4894_MARC
308	44.2	5.0	827	7	CO414001	EST844386	381	42.8	4.8	423	7	CN997982	CN997982	UMC-bc1_0
309	44.2	5.0	828	7	CO414424	EST844809	382	42.8	4.8	419	1	AV665364	AV665364	AV655364
310	44.2	5.0	828	7	CO413184	EST843569	383	42.8	4.8	470	1	AV592507	AV592507	AV592507
311	44.2	5.0	828	7	CO413486	EST843871	384	42.8	4.8	554	1	AV600003	AV600003	AV600003
312	44.2	5.0	829	7	CO413529	EST843914	385	42.8	4.8	562	5	BM967957	BM967957	LM24W008
313	44.2	5.0	830	7	CN783666	EST782317	386	42.8	4.8	650	7	CN792506	CN792506	4127376.B
314	44.2	5.0	830	7	CO411555	EST841340	387	42.8	4.8	668	7	CN947480	CN947480	4072509.B
315	44.2	5.0	830	7	CO413071	EST843456	388	42.8	4.8	696	7	CK982036	CK982036	4114314.B
316	44.2	5.0	832	7	CO411104	EST841489	389	42.8	4.8	697	7	CK835498	CK835498	4059924.B

390	42.8	4.8	709	7	CF766979	CF766979	CBS000841	463	41	4.6	409	2	BF727096
391	42.8	4.8	713	7	CF831636	CF831636	4055193 B	464	41	4.6	408	1	N25827
392	42.8	4.8	715	7	CF975545	CF975545	4106923 B	465	41	4.6	419	1	N25807
393	42.8	4.8	730	7	CF766010	CF766010	CBS007494	466	41	4.6	419	1	BM311070
394	42.8	4.8	800	7	CK774403	CK774403	963161 MA	467	41	4.6	422	7	CN267794
395	42.8	4.8	824	7	CK954605	CK954605	4094638 B	468	41	4.6	425	4	BM759159
396	42.6	4.8	310	1	AA340812	AA340812	EST46095	469	41	4.6	426	7	CN267793
397	42.6	4.8	509	4	BM536518	BM536518	ha71601.9	470	41	4.6	429	1	AA682342
398	42.6	4.8	533	4	BM536431	BM536431	ha71601.9	471	41	4.6	429	1	AA682342
399	42.6	4.8	536	6	CB296479	CB296479	ha95602.9	472	41	4.6	429	1	AA682342
400	42.6	4.8	549	4	BM538473	BM538473	ha95602.9	473	41	4.6	429	1	AA682342
401	42.6	4.8	613	1	A1879203	A1879203	ha95602.9	474	41	4.6	433	1	A1880314
402	42.6	4.8	623	4	BM539963	BM539963	ha95602.9	475	41	4.6	433	1	A1880314
403	42.6	4.8	636	7	BM538037	BM538037	ha95602.9	476	41	4.6	433	1	A1880314
404	42.6	4.8	661	7	CN005962	CN005962	ha95602.9	477	41	4.6	439	1	AA282108
405	42.6	4.8	687	7	BM579012	BM579012	IP37809.9	478	41	4.6	442	2	BF724240
406	42.6	4.8	733	9	AG170754	AG170754	Pan Trogl	479	41	4.6	443	4	BM688769
407	42.6	4.8	787	4	BG480254	BG480254	602530485	480	41	4.6	443	6	CD686044
408	42.6	4.8	815	5	BM391193	BM391193	BM391193	481	41	4.6	445	1	AV708057
409	42.6	4.8	832	2	AM152789	AM152789	JAL4L3C04	482	41	4.6	448	6	CB145370
410	42.2	4.7	365	7	CF507437	CF507437	USDA-FP-1	483	41	4.6	449	5	BE258408
411	42.2	4.7	406	6	CB212698	CB212698	OML02978	484	41	4.6	449	5	BE258408
412	42.2	4.7	435	7	W46454	W46454	zde1d03.x1	485	41	4.6	450	1	AA683383
413	42.2	4.7	500	7	N48390	N48390	yy43d03.x1	486	41	4.6	453	4	BM687547
414	42.2	4.7	627	7	CF850554	CF850554	UCRCR01.0	487	41	4.6	455	1	AJ684759
415	42.2	4.7	713	7	CN191803	CN191803	UCRCR06.0	488	41	4.6	459	6	CB121693
416	42.2	4.7	728	7	CF830553	CF830553	UCRCR06.0	489	41	4.6	461	1	A1366225
417	42.2	4.7	783	7	BM399414	BM399414	UCRCR01.0	490	41	4.6	463	4	BM256812
418	42.2	4.7	896	5	BM407903	BM407903	AGENCOURT	491	41	4.6	465	2	BE278857
419	42.2	4.7	943	5	BM453334	BM453334	BM453334	492	41	4.6	467	2	BM55297
420	42.2	4.7	947	5	BM453334	BM453334	BM453334	493	41	4.6	467	2	BM55297
421	42.2	4.7	994	5	BM008781	BM008781	ko36d02.Y	494	41	4.6	469	1	BG327960
422	42.2	4.7	549	5	BM106450	BM106450	602893010	495	41	4.6	470	1	A1440500
423	42.2	4.7	707	4	BM106450	BM106450	602893010	496	41	4.6	472	5	BM487984
424	42.2	4.7	759	4	BM106450	BM106450	602893010	497	41	4.6	474	6	BM128059
425	41.8	4.7	289	1	AA374632	AA374632	EST86867	498	41	4.6	475	2	BM1563824
426	41.8	4.7	577	6	CA304702	CA304702	AB-adto_2	499	41	4.6	481	4	BM353353
427	41.6	4.7	934	1	BM407964	BM407964	BM407964	500	41	4.6	481	4	BM353353
428	41.6	4.7	533	5	BM407964	BM407964	BM407964	501	41	4.6	483	6	CB126708
429	41.6	4.7	604	4	BM407964	BM407964	BM407964	502	41	4.6	483	6	CB126708
430	41.6	4.7	606	7	BM407964	BM407964	BM407964	503	41	4.6	488	6	CB067293
431	41.6	4.7	641	4	BM576300	BM576300	BM576300	504	41	4.6	492	6	CB067293
432	41.6	4.7	644	4	BM576300	BM576300	BM576300	505	41	4.6	495	4	BM315062
433	41.6	4.7	653	7	AM162794	AM162794	BM162794	506	41	4.6	497	4	N28527
434	41.6	4.7	658	2	AM162794	AM162794	BM162794	507	41	4.6	498	1	AA459469
435	41.6	4.7	665	4	BM642905	BM642905	BM642905	508	41	4.6	503	4	BG474129
436	41.6	4.7	668	5	BM642905	BM642905	BM642905	509	41	4.6	504	2	AM160972
437	41.6	4.7	668	5	BM642905	BM642905	BM642905	510	41	4.6	504	2	AM160972
438	41.6	4.7	680	4	BM617563	BM617563	BM617563	511	41	4.6	504	2	AM160972
439	41.6	4.7	705	4	BM594555	BM594555	BM594555	512	41	4.6	505	1	AM163389
440	41.6	4.7	718	5	BM618231	BM618231	BM618231	513	41	4.6	505	1	AM163389
441	41.6	4.7	819	5	BM618231	BM618231	BM618231	514	41	4.6	506	2	AM163389
442	41.6	4.7	851	3	BM597331	BM597331	BM597331	515	41	4.6	506	2	AM163389
443	41.6	4.7	958	3	CN08086K	CN08086K	BM3251627	516	41	4.6	506	2	AM163389
444	41.4	4.7	486	4	BM894328	BM894328	BM894328	517	41	4.6	507	7	AM160844
445	41.4	4.7	566	6	BM827612	BM827612	BM827612	518	41	4.6	510	7	BM083839
446	41.4	4.7	567	6	BM850305	BM850305	BM850305	519	41	4.6	514	6	BM267783
447	41.4	4.7	641	7	BM8241621	BM8241621	K-EST0100	520	41	4.6	515	4	BM267783
448	41.4	4.7	1235	2	BE730757	BE730757	K-EST0100	521	41	4.6	515	4	BM267783
449	41.2	4.6	313	2	BE019819	BE019819	K-EST0100	522	41	4.6	515	4	BM267783
450	41.2	4.6	472	1	AA316617	AA316617	K-EST0100	523	41	4.6	516	2	BM267783
451	41.2	4.6	495	6	CB429778	CB429778	BM267783	524	41	4.6	516	2	BM267783
452	41.2	4.6	617	4	BG763714	BG763714	BM267783	525	41	4.6	517	2	BM267783
453	41.2	4.6	663	5	BQ410064	BQ410064	BM267783	526	41	4.6	517	2	BM267783
454	41.2	4.6	898	7	AA349304	AA349304	BM267783	527	41	4.6	520	2	BM267783
455	41.2	4.6	182	1	AA349304	AA349304	BM267783	528	41	4.6	520	2	BM267783
456	41.2	4.6	183	1	AA349304	AA349304	BM267783	529	41	4.6	524	6	BM267783
457	41.2	4.6	306	2	BM087862	BM087862	BM267783	530	41	4.6	524	6	BM267783
458	41.2	4.6	313	5	BQ083889	BQ083889	BM267783	531	41	4.6	527	4	BM267783
459	41.2	4.6	334	2	BM385245	BM385245	BM267783	532	41	4.6	527	4	BM267783
460	41.2	4.6	336	1	AA332780	AA332780	BM267783	533	41	4.6	532	4	BM267783
461	41.2	4.6	383	1	BM503963	BM503963	BM267783	534	41	4.6	533	6	BM267783
462	41.2	4.6	383	1	BM503963	BM503963	BM267783	535	41	4.6	534	6	BM267783

536	4.1	4.6	534	7	W17250	609	4.1	4.6	629	6	CD675730
537	4.1	4.6	539	4	BM763023	610	4.1	4.6	631	7	CN267792
538	4.1	4.6	542	2	AM247064	611	4.1	4.6	632	4	B1909294
539	4.1	4.6	542	4	BM687180	612	4.1	4.6	632	6	CB216647
540	4.1	4.6	543	2	BE384054	613	4.1	4.6	633	5	B0631589
541	4.1	4.6	545	2	BM263017	614	4.1	4.6	635	5	B0078138
542	4.1	4.6	546	4	BI521303	615	4.1	4.6	637	6	CF128490
543	4.1	4.6	548	2	BF725324	616	4.1	4.6	638	2	BE386167
544	4.1	4.6	550	6	CA397871	617	4.1	4.6	638	6	CD579814
545	4.1	4.6	550	7	CN267791	618	4.1	4.6	638	7	CK003812
546	4.1	4.6	551	2	AM250355	619	4.1	4.6	638	7	CN267782
547	4.1	4.6	553	1	AI762513	620	4.1	4.6	640	4	BM795311
548	4.1	4.6	553	5	BU781950	621	4.1	4.6	640	5	BU786362
549	4.1	4.6	554	5	BO272053	622	4.1	4.6	642	6	CB154997
550	4.1	4.6	559	6	CA397487	623	4.1	4.6	642	7	CK002484
551	4.1	4.6	551	5	BO631763	624	4.1	4.6	644	4	BI459048
552	4.1	4.6	563	5	BO549786	625	4.1	4.6	646	1	AI064998
553	4.1	4.6	565	7	CN267797	626	4.1	4.6	647	4	BG699607
554	4.1	4.6	567	6	CA773723	627	4.1	4.6	648	2	BE793621
555	4.1	4.6	568	5	BO307679	628	4.1	4.6	648	6	CA772262
556	4.1	4.6	576	5	BU069719	629	4.1	4.6	648	6	CB154425
557	4.1	4.6	571	7	CN267798	630	4.1	4.6	648	6	CD615081
558	4.1	4.6	574	4	BM847084	631	4.1	4.6	648	7	CN267812
559	4.1	4.6	576	5	BO639615	632	4.1	4.6	650	1	AV708841
560	4.1	4.6	577	2	BE258709	633	4.1	4.6	651	1	AV702485
561	4.1	4.6	578	5	BO417243	634	4.1	4.6	651	7	AV713707
562	4.1	4.6	580	5	BU581083	635	4.1	4.6	652	1	CN267778
563	4.1	4.6	580	7	W60783	636	4.1	4.6	653	4	BM763989
564	4.1	4.6	581	2	AM249272	637	4.1	4.6	653	2	BE535340
565	4.1	4.6	581	5	BU952686	638	4.1	4.6	655	4	BG703489
566	4.1	4.6	581	6	CB143218	639	4.1	4.6	655	6	CD299152
567	4.1	4.6	582	4	BM747403	640	4.1	4.6	657	1	AV696019
568	4.1	4.6	582	5	BO777242	641	4.1	4.6	660	7	CN267805
569	4.1	4.6	582	6	CA949787	642	4.1	4.6	661	6	CD615080
570	4.1	4.6	585	6	CA396876	643	4.1	4.6	662	4	BM825006
571	4.1	4.6	585	6	CA848481	644	4.1	4.6	663	7	CN267809
572	4.1	4.6	585	6	CB132900	645	4.1	4.6	673	4	BG699276
573	4.1	4.6	587	1	AU129273	646	4.1	4.6	673	4	CN267789
574	4.1	4.6	587	4	BG696542	647	4.1	4.6	674	2	BE263925
575	4.1	4.6	587	6	CA843053	648	4.1	4.6	676	2	BE281195
576	4.1	4.6	588	6	CA948364	649	4.1	4.6	680	1	AI929714
577	4.1	4.6	589	6	CD675821	650	4.1	4.6	680	2	BF978793
578	4.1	4.6	589	7	N28877	651	4.1	4.6	680	4	BG680353
579	4.1	4.6	591	5	BK04492	652	4.1	4.6	680	7	CN267802
580	4.1	4.6	592	6	CB115394	653	4.1	4.6	684	4	BI195688
581	4.1	4.6	592	6	CD615074	654	4.1	4.6	687	4	BM042144
582	4.1	4.6	593	4	BM310939	655	4.1	4.6	688	2	BE732033
583	4.1	4.6	595	4	BI117980	656	4.1	4.6	689	4	BI117838
584	4.1	4.6	598	6	CD615079	657	4.1	4.6	689	4	BM760759
585	4.1	4.6	599	6	CA777048	658	4.1	4.6	689	7	CK460944
586	4.1	4.6	599	6	CD615078	659	4.1	4.6	691	4	BI413421
587	4.1	4.6	601	7	CN267807	660	4.1	4.6	692	1	AV704900
588	4.1	4.6	603	5	BO286358	661	4.1	4.6	692	2	BE396028
589	4.1	4.6	607	1	AV708805	662	4.1	4.6	692	7	CN267810
590	4.1	4.6	609	5	BO307680	663	4.1	4.6	692	7	CO473070
591	4.1	4.6	610	4	BM272449	664	4.1	4.6	694	1	AV706232
592	4.1	4.6	611	6	CD615077	665	4.1	4.6	696	4	BI458231
593	4.1	4.6	612	7	CN267800	666	4.1	4.6	696	4	BI547505
594	4.1	4.6	614	5	BU947440	667	4.1	4.6	696	6	CD615075
595	4.1	4.6	615	2	BE252334	668	4.1	4.6	697	7	CN267804
596	4.1	4.6	615	7	CN267790	669	4.1	4.6	697	7	CO473070
597	4.1	4.6	617	1	AV695825	670	4.1	4.6	698	7	CN267781
598	4.1	4.6	617	5	BO639325	671	4.1	4.6	700	4	BI666549
599	4.1	4.6	619	5	BO639225	672	4.1	4.6	702	4	CN267813
600	4.1	4.6	622	2	BE294279	673	4.1	4.6	702	5	EX119881
601	4.1	4.6	623	4	BI669083	674	4.1	4.6	703	4	BG024697
602	4.1	4.6	624	7	BG769486	675	4.1	4.6	708	4	BI544709
603	4.1	4.6	626	4	CN267786	676	4.1	4.6	708	6	CA775058
604	4.1	4.6	626	7	CN267788	677	4.1	4.6	712	4	BG700005
605	4.1	4.6	627	1	AA166661	678	4.1	4.6	712	5	BX443415
606	4.1	4.6	629	4	BM845129	679	4.1	4.6	713	6	CD705176
607	4.1	4.6	629	5	BO639907	680	4.1	4.6	714	2	BE877761
608	4.1	4.6	629	6	CA865768	681	4.1	4.6	714	4	BG818650

682	41	4.6	718	2	BE260839	BE260839 601151211	755	41	4.6	794	4	BI834911	BI834911 603090179
683	41	4.6	718	7	CN267785	CN267785 170005999	756	41	4.6	797	2	BF342370	BF342370 602013163
684	41	4.6	729	1	AV703933	AV703933 AV703933	757	41	4.6	797	2	BF342370	BF342370 602013163
685	41	4.6	729	1	AV703933	AV703933 AV703933	757	41	4.6	797	2	BF342370	BF342370 602013163
686	41	4.6	722	4	BI596802	BI596802 603242888	758	41	4.6	798	4	CA774599	CA774599 603639527
687	41	4.6	726	6	CD580035	CD580035 BE1736F00	759	41	4.6	801	6	CA774599	CA774599 603639527
688	41	4.6	728	2	BE410236	BE410236 601130047	760	41	4.6	802	4	BI714428	BI714428 602669957
689	41	4.6	729	2	BE297327	BE297327 60117632	761	41	4.6	802	4	BI714428	BI714428 602669957
690	41	4.6	730	4	BI667220	BI667220 603291941	762	41	4.6	806	4	BI598116	BI598116 603252357
691	41	4.6	731	7	CN267799	CN267799 170005977	763	41	4.6	808	4	BI598116	BI598116 603252357
692	41	4.6	731	2	BE562072	BE562072 603345882	764	41	4.6	809	4	BI714671	BI714671 602669504
693	41	4.6	734	2	BI822290	BI822290 60336427	765	41	4.6	812	4	BI709015	BI709015 602677025
694	41	4.6	734	4	BI857454	BI857454 60338443	766	41	4.6	812	4	BI084088	BI084088 602675164
695	41	4.6	735	4	BI857454	BI857454 60338443	767	41	4.6	816	5	BU857781	BU857781 602869450
696	41	4.6	736	1	AV680380	AV680380 602712437	768	41	4.6	816	5	BU857781	BU857781 602869450
697	41	4.6	737	6	CB986092	CB986092 603625827	769	41	4.6	817	6	CD579352	CD579352 EST_PSF00
698	41	4.6	737	6	CB986092	CB986092 603625827	770	41	4.6	817	6	CD579352	CD579352 EST_PSF00
699	41	4.6	741	4	BI857454	BI857454 60338443	771	41	4.6	818	4	BI772744	BI772744 602403411
700	41	4.6	742	2	BF130104	BF130104 601817994	772	41	4.6	818	4	BI772744	BI772744 602403411
701	41	4.6	745	1	AU117759	AU117759 AU117759	773	41	4.6	819	4	BI548646	BI548646 603196809
702	41	4.6	745	6	CA776088	CA776088 1099607.Y	774	41	4.6	821	2	BF338033	BF338033 602035919
703	41	4.6	746	4	BI084883	BI084883 602869450	775	41	4.6	821	2	BF338033	BF338033 602035919
704	41	4.6	747	4	BI8481383	BI8481383 602528738	776	41	4.6	821	4	BI836372	BI836372 602779080
705	41	4.6	747	4	BI8481383	BI8481383 602528738	777	41	4.6	822	5	BU957273	BU957273 603083078
706	41	4.6	747	4	BI8481383	BI8481383 602528738	778	41	4.6	823	4	BI113718	BI113718 602860912
707	41	4.6	749	4	BI860435	BI860435 602684211	779	41	4.6	823	4	BI113718	BI113718 602860912
708	41	4.6	749	4	BI860435	BI860435 602684211	780	41	4.6	824	4	BI089078	BI089078 602853446
709	41	4.6	749	4	BI860435	BI860435 602684211	781	41	4.6	824	5	BU858045	BU858045 602853446
710	41	4.6	750	2	BP697466	BP697466 603246959	782	41	4.6	829	4	BI848070	BI848070 602530164
711	41	4.6	750	2	BP697466	BP697466 603246959	783	41	4.6	830	4	BI848070	BI848070 602530164
712	41	4.6	752	4	BI838210	BI838210 603083128	784	41	4.6	830	4	BI848070	BI848070 602530164
713	41	4.6	752	4	BI838210	BI838210 603083128	785	41	4.6	831	4	BI848070	BI848070 602530164
714	41	4.6	753	4	BI838210	BI838210 603083128	786	41	4.6	831	4	BI848070	BI848070 602530164
715	41	4.6	754	1	AU129706	AU129706 602672132	787	41	4.6	834	4	BI763051	BI763051 602734930
716	41	4.6	756	4	BI860943	BI860943 602672132	788	41	4.6	835	4	BI858624	BI858624 602969559
717	41	4.6	758	2	BP695549	BP695549 602277015	789	41	4.6	835	6	CD580198	CD580198 EST_PSF00
718	41	4.6	761	1	AU120318	AU120318 AU120318	790	41	4.6	836	5	BU521565	BU521565 AGENCOURT
719	41	4.6	761	1	AU120318	AU120318 AU120318	791	41	4.6	840	4	BI548106	BI548106 603189440
720	41	4.6	762	4	BI458683	BI458683 603199817	792	41	4.6	841	4	BI548106	BI548106 603189440
721	41	4.6	762	4	BI458683	BI458683 603199817	793	41	4.6	841	4	BI548106	BI548106 603189440
722	41	4.6	763	4	BI162828	BI162828 603178125	794	41	4.6	841	4	BI548106	BI548106 603189440
723	41	4.6	763	6	CD45504	CD45504 AGENCOURT	795	41	4.6	846	4	BI548106	BI548106 603189440
724	41	4.6	763	7	CD45504	CD45504 AGENCOURT	796	41	4.6	846	4	BI548106	BI548106 603189440
725	41	4.6	765	4	BI4589324	BI4589324 930500.MA	797	41	4.6	847	2	BI799439	BI799439 60159071
726	41	4.6	765	4	BI4589324	BI4589324 930500.MA	798	41	4.6	847	2	BI799439	BI799439 60159071
727	41	4.6	766	4	BI4589324	BI4589324 930500.MA	799	41	4.6	847	2	BI799439	BI799439 60159071
728	41	4.6	768	4	BI4589324	BI4589324 930500.MA	800	41	4.6	850	4	BI799439	BI799439 60159071
729	41	4.6	771	2	BE257010	BE257010 601117413	801	41	4.6	850	4	BI799439	BI799439 60159071
730	41	4.6	772	4	BI859899	BI859899 603386025	802	41	4.6	851	4	BI799439	BI799439 60159071
731	41	4.6	772	4	BI859899	BI859899 603386025	803	41	4.6	851	4	BI799439	BI799439 60159071
732	41	4.6	774	4	BI457707	BI457707 603198144	804	41	4.6	852	2	BI799439	BI799439 60159071
733	41	4.6	774	4	BI457707	BI457707 603198144	805	41	4.6	852	2	BI799439	BI799439 60159071
734	41	4.6	774	4	BI457707	BI457707 603198144	806	41	4.6	854	5	BI799439	BI799439 60159071
735	41	4.6	774	5	BI602488	BI602488 AGENCOURT	807	41	4.6	855	5	BI799439	BI799439 60159071
736	41	4.6	775	5	BI602488	BI602488 AGENCOURT	808	41	4.6	857	2	BI799439	BI799439 60159071
737	41	4.6	777	4	BI602488	BI602488 AGENCOURT	809	41	4.6	857	2	BI799439	BI799439 60159071
738	41	4.6	778	4	BI602488	BI602488 AGENCOURT	810	41	4.6	860	2	BI799439	BI799439 60159071
739	41	4.6	779	7	CN267784	CN267784 170006001	811	41	4.6	860	2	BI799439	BI799439 60159071
740	41	4.6	780	4	BI602488	BI602488 AGENCOURT	812	41	4.6	860	5	BI799439	BI799439 60159071
741	41	4.6	780	4	BI602488	BI602488 AGENCOURT	813	41	4.6	861	5	BI799439	BI799439 60159071
742	41	4.6	780	4	BI602488	BI602488 AGENCOURT	814	41	4.6	861	5	BI799439	BI799439 60159071
743	41	4.6	781	4	BI602488	BI602488 AGENCOURT	815	41	4.6	862	2	BI799439	BI799439 60159071
744	41	4.6	781	4	BI602488	BI602488 AGENCOURT	816	41	4.6	863	2	BI799439	BI799439 60159071
745	41	4.6	782	5	BI602488	BI602488 AGENCOURT	817	41	4.6	864	2	BI799439	BI799439 60159071
746	41	4.6	784	6	BI602488	BI602488 AGENCOURT	818	41	4.6	864	2	BI799439	BI799439 60159071
747	41	4.6	784	6	BI602488	BI602488 AGENCOURT	819	41	4.6	865	6	BI799439	BI799439 60159071
748	41	4.6	786	4	BI602488	BI602488 AGENCOURT	820	41	4.6	868	5	BI799439	BI799439 60159071
749	41	4.6	786	4	BI602488	BI602488 AGENCOURT	821	41	4.6	868	5	BI799439	BI799439 60159071
750	41	4.6	787	6	BI602488	BI602488 AGENCOURT	822	41	4.6	868	5	BI799439	BI799439 60159071
751	41	4.6	787	6	BI602488	BI602488 AGENCOURT	823	41	4.6	868	5	BI799439	BI799439 60159071
752	41	4.6	789	4	BI602488	BI602488 AGENCOURT	824	41	4.6	870	4	BI799439	BI799439 60159071
753	41	4.6	791	4	BI602488	BI602488 AGENCOURT	825	41	4.6	871	6	BI799439	BI799439 60159071
754	41	4.6	792	4	BI602488	BI602488 AGENCOURT	826	41	4.6	872	4	BI799439	BI799439 60159071
755	41	4.6	793	2	BI602488	BI602488 AGENCOURT	827	41	4.6	873	4	BI799439	BI799439 60159071
756	41	4.6	793	2	BI602488	BI602488 AGENCOURT	827	41	4.6	874	4	BI799439	BI799439 60159071

828	41	4.6	874	4	BG772976	BG772976	602721231	901	41	4.6	936	5	BX407830	BX407830	602721230
829	41	4.6	875	5	BX378103	BX378103	BX378103	902	41	4.6	937	2	BE548004	BE548004	601072029
830	41	4.6	876	5	CD246326	CD246326	AGENCYCOURT	903	41	4.6	937	2	BH846284	BH846284	602669496
831	41	4.6	876	2	BF314060	BF314060	601902313	904	41	4.6	938	4	BG706215	BG706215	602669496
832	41	4.6	879	4	BG701129	BG701129	602681975	905	41	4.6	939	2	BE733895	BE733895	601568363
833	41	4.6	880	4	BG715709	BG715709	602676986	906	41	4.6	939	4	BG253274	BG253274	602365747
834	41	4.6	880	5	BH155894	BH155894	AGENCYCOURT	907	41	4.6	939	4	BH183568	BH183568	603087641
835	41	4.6	880	5	BX371308	BX371308	BX371308	908	41	4.6	940	5	BQ883899	BQ883899	AGENCYCOURT
836	41	4.6	880	6	CD516072	CD516072	AGENCYCOURT	909	41	4.6	940	5	BQ948050	BQ948050	AGENCYCOURT
837	41	4.6	881	4	BH861349	BH861349	603386549	910	41	4.6	941	5	BQ672954	BQ672954	AGENCYCOURT
838	41	4.6	881	5	BQ423981	BQ423981	AGENCYCOURT	911	41	4.6	942	4	BG112714	BG112714	602282275
839	41	4.6	881	5	BQ649174	BQ649174	AGENCYCOURT	912	41	4.6	945	2	BE731272	BE731272	601567172
840	41	4.6	883	2	BF034634	BF034634	601455066	913	41	4.6	945	4	BG769616	BG769616	602744528
841	41	4.6	885	5	BQ950022	BQ950022	AGENCYCOURT	914	41	4.6	946	5	BQ681865	BQ681865	AGENCYCOURT
842	41	4.6	888	5	BQ690722	BQ690722	AGENCYCOURT	915	41	4.6	947	2	BE723336	BE723336	602240641
843	41	4.6	888	5	BQ921435	BQ921435	AGENCYCOURT	916	41	4.6	947	5	BQ675611	BQ675611	AGENCYCOURT
844	41	4.6	888	5	BH192617	BH192617	AGENCYCOURT	917	41	4.6	947	5	BX362889	BX362889	AGENCYCOURT
845	41	4.6	889	5	BX407971	BX407971	BX407971	918	41	4.6	948	5	BQ677444	BQ677444	AGENCYCOURT
846	41	4.6	890	5	BH155276	BH155276	AGENCYCOURT	919	41	4.6	949	5	BX367611	BX367611	AGENCYCOURT
847	41	4.6	890	5	BX407976	BX407976	BX407976	920	41	4.6	950	5	BQ943875	BQ943875	603199230
848	41	4.6	891	5	BG336009	BG336009	602404762	921	41	4.6	952	4	BH458280	BH458280	AGENCYCOURT
849	41	4.6	892	4	BQ690812	BQ690812	AGENCYCOURT	922	41	4.6	952	5	BQ648518	BQ648518	AGENCYCOURT
850	41	4.6	894	5	BE930889	BE930889	AGENCYCOURT	923	41	4.6	953	5	BQ955758	BQ955758	AGENCYCOURT
851	41	4.6	895	5	BQ648664	BQ648664	AGENCYCOURT	924	41	4.6	954	5	BH556653	BH556653	AGENCYCOURT
852	41	4.6	896	5	BQ879197	BQ879197	AGENCYCOURT	925	41	4.6	957	5	BQ672035	BQ672035	AGENCYCOURT
853	41	4.6	896	5	BX410377	BX410377	BX410377	926	41	4.6	957	5	BH508821	BH508821	AGENCYCOURT
854	41	4.6	897	4	BH762223	BH762223	603049133	927	41	4.6	958	4	BE989339	BE989339	602304512
855	41	4.6	897	5	BQ653009	BQ653009	AGENCYCOURT	928	41	4.6	958	6	CD579239	CD579239	EST_PSF00
856	41	4.6	897	5	BH177802	BH177802	AGENCYCOURT	929	41	4.6	959	2	BE731203	BE731203	601988527
857	41	4.6	899	6	CD579440	CD579440	EST_PSF00	930	41	4.6	960	4	BG254668	BG254668	602242828
858	41	4.6	901	4	BG536429	BG536429	602564527	931	41	4.6	960	5	BX421025	BX421025	AGENCYCOURT
859	41	4.6	901	5	BQ883577	BQ883577	AGENCYCOURT	932	41	4.6	961	4	BH091223	BH091223	602856068
860	41	4.6	901	5	BQ942934	BQ942934	AGENCYCOURT	933	41	4.6	962	5	BX346775	BX346775	AGENCYCOURT
861	41	4.6	903	5	BH212241	BH212241	AGENCYCOURT	934	41	4.6	962	2	BE976370	BE976370	602244311
862	41	4.6	904	4	BG428778	BG428778	602493789	935	41	4.6	962	4	BH458107	BH458107	603198527
863	41	4.6	904	5	BH556339	BH556339	AGENCYCOURT	936	41	4.6	963	2	BE973496	BE973496	AGENCYCOURT
864	41	4.6	906	5	BH526814	BH526814	AGENCYCOURT	937	41	4.6	965	5	BH552849	BH552849	AGENCYCOURT
865	41	4.6	907	5	BX341929	BX341929	AGENCYCOURT	938	41	4.6	966	5	BH556890	BH556890	AGENCYCOURT
866	41	4.6	907	5	BX449922	BX449922	AGENCYCOURT	939	41	4.6	967	5	BH179259	BH179259	AGENCYCOURT
867	41	4.6	908	5	BH190128	BH190128	AGENCYCOURT	940	41	4.6	970	5	BQ647918	BQ647918	AGENCYCOURT
868	41	4.6	909	5	CR608267	CR608267	AGENCYCOURT	941	41	4.6	972	4	BH183836	BH183836	603083377
869	41	4.6	911	3	BH602026	BH602026	603244321	942	41	4.6	972	5	BX346733	BX346733	AGENCYCOURT
870	41	4.6	912	4	BH56406	BH56406	AGENCYCOURT	943	41	4.6	972	5	BX362082	BX362082	AGENCYCOURT
871	41	4.6	914	5	BH56406	BH56406	AGENCYCOURT	944	41	4.6	972	5	BX362082	BX362082	AGENCYCOURT
872	41	4.6	915	5	BH18779	BH18779	AGENCYCOURT	945	41	4.6	973	5	BQ677943	BQ677943	AGENCYCOURT
873	41	4.6	915	4	BG254893	BG254893	602369337	946	41	4.6	974	5	BQ927896	BQ927896	AGENCYCOURT
874	41	4.6	918	2	BE880533	BE880533	601490926	947	41	4.6	976	4	BH458424	BH458424	603198805
875	41	4.6	919	2	BF128578	BF128578	601810829	948	41	4.6	978	4	BG762136	BG762136	602717723
876	41	4.6	919	5	BQ649016	BQ649016	AGENCYCOURT	949	41	4.6	978	4	BG829113	BG829113	602752463
877	41	4.6	919	5	BH849974	BH849974	AGENCYCOURT	950	41	4.6	982	4	BG695994	BG695994	602658138
878	41	4.6	920	5	BX367637	BX367637	AGENCYCOURT	951	41	4.6	982	5	BX428113	BX428113	AGENCYCOURT
879	41	4.6	920	5	BX371268	BX371268	AGENCYCOURT	952	41	4.6	984	5	BQ680261	BQ680261	AGENCYCOURT
880	41	4.6	922	4	BH452020	BH452020	AGENCYCOURT	953	41	4.6	986	5	BX453305	BX453305	AGENCYCOURT
881	41	4.6	923	2	BF310992	BF310992	601898306	954	41	4.6	987	5	BX464203	BX464203	AGENCYCOURT
882	41	4.6	924	4	BH181764	BH181764	AGENCYCOURT	955	41	4.6	988	5	BQ050179	BQ050179	AGENCYCOURT
883	41	4.6	926	4	BG249593	BG249593	602319685	956	41	4.6	988	5	BX440961	BX440961	AGENCYCOURT
884	41	4.6	926	5	BQ678799	BQ678799	AGENCYCOURT	957	41	4.6	989	5	BX367651	BX367651	AGENCYCOURT
885	41	4.6	927	4	BH597726	BH597726	603248381	958	41	4.6	989	5	BX378324	BX378324	AGENCYCOURT
886	41	4.6	927	5	BX381359	BX381359	AGENCYCOURT	959	41	4.6	990	6	CD514922	CD514922	AGENCYCOURT
887	41	4.6	928	5	BH419665	BH419665	AGENCYCOURT	960	41	4.6	991	5	BX354037	BX354037	AGENCYCOURT
888	41	4.6	929	5	BH902842	BH902842	AGENCYCOURT	961	41	4.6	991	5	BX429006	BX429006	AGENCYCOURT
889	41	4.6	929	5	BX407956	BX407956	AGENCYCOURT	962	41	4.6	991	5	BX443911	BX443911	AGENCYCOURT
890	41	4.6	930	4	BH917404	BH917404	603184946	963	41	4.6	992	5	BG78514	BG78514	602662186
891	41	4.6	931	5	BX407967	BX407967	AGENCYCOURT	964	41	4.6	992	5	BX407683	BX407683	AGENCYCOURT
892	41	4.6	933	2	BF316293	BF316293	601901841	965	41	4.6	993	5	BQ686625	BQ686625	AGENCYCOURT
893	41	4.6	933	4	BG765411	BG765411	602738879	966	41	4.6	993	5	BX349732	BX349732	AGENCYCOURT
894	41	4.6	933	5	BH944599	BH944599	AGENCYCOURT	967	41	4.6	993	5	BX407732	BX407732	AGENCYCOURT
895	41	4.6	933	5	BX325766	BX325766	AGENCYCOURT	968	41	4.6	995	5	BQ649083	BQ649083	AGENCYCOURT
896	41	4.6	934	5	BQ650976	BQ650976	AGENCYCOURT	969	41	4.6	996	5	BX362890	BX362890	AGENCYCOURT
897	41	4.6	935	5	BX423325	BX423325	AGENCYCOURT	970	41	4.6	1002	3	CR615482	CR615482	603198527
898	41	4.6	936	2	BF344500	BF344500	602014906	971	41	4.6	1003	5	BX440743	BX440743	AGENCYCOURT
899	41	4.6	936	2	BE686565	BE686565	602143479	972	41	4.6	1005	5	BH472348	BH472348	AGENCYCOURT
900	41	4.6	936	5	BQ720893	BQ720893	AGENCYCOURT	973	41	4.6	1008	5	BX440682	BX440682	AGENCYCOURT

974	41	4.6	1010	5	EX325728	1047	40.8	4.6	719	7	CF829560
975	41	4.6	1014	5	EX381871	1048	40.8	4.6	733	7	CF829562
976	41	4.6	1016	5	EX388454	1049	40.8	4.6	751	7	CF829520
977	41	4.6	1017	5	EX432905	1050	40.8	4.6	754	1	AU003770
978	41	4.6	1017	5	EX463478	1051	40.8	4.6	762	7	CF838225
979	41	4.6	1023	5	EX443912	1052	40.8	4.6	837	7	CF829561
980	41	4.6	1025	2	BE900878	1053	40.8	4.6	846	7	CF829559
981	41	4.6	1026	4	BM468290	1054	40.8	4.6	849	7	CF829519
982	41	4.6	1026	5	EX371312	1055	40.8	4.6	911	7	CF829947
983	41	4.6	1026	5	EX407834	1056	40.6	4.6	393	4	BF457492
984	41	4.6	1027	4	BM922145	1057	40.6	4.6	491	2	BF483056
985	41	4.6	1029	3	CR593899	1058	40.6	4.6	494	6	CD884363
986	41	4.6	1031	3	CR596355	1059	40.6	4.6	505	2	BE498304
987	41	4.6	1032	4	BM451389	1060	40.6	4.6	532	4	BM343659
988	41	4.6	1032	4	BM423158	1061	40.6	4.6	551	2	BE590867
989	41	4.6	1032	5	EX444343	1062	40.6	4.6	575	6	CD884008
990	41	4.6	1032	5	EX444343	1063	40.6	4.6	577	6	CD884359
991	41	4.6	1032	5	EX444343	1064	40.6	4.6	603	4	BM354566
992	41	4.6	1034	5	EX463439	1065	40.6	4.6	605	1	AU005893
993	41	4.6	1035	3	CR594432	1066	40.6	4.6	606	4	BM344987
994	41	4.6	1036	4	BM592223	1067	40.6	4.6	618	4	BM343451
995	41	4.6	1036	4	BM563063	1068	40.6	4.6	622	4	BM344884
996	41	4.6	1036	5	BQ063183	1069	40.6	4.6	626	6	CD881060
997	41	4.6	1036	5	EX399444	1070	40.6	4.6	636	6	CD884599
998	41	4.6	1036	5	EX422909	1071	40.6	4.6	689	6	CD882410
999	41	4.6	1037	5	BO681956	1072	40.6	4.6	695	6	CD861747
1000	41	4.6	1037	5	EX464204	1073	40.6	4.6	712	7	CK937369
1001	41	4.6	1038	4	BM463607	1074	40.6	4.6	742	7	CK937369
1002	41	4.6	1038	4	BM463607	1075	40.4	4.5	742	7	CN783493
1003	41	4.6	1038	5	EX433014	1076	40.4	4.5	271	1	AA834661
1004	41	4.6	1040	3	EX433014	1077	40.4	4.5	450	5	EX393014
1005	41	4.6	1040	3	EX458779	1078	40.4	4.5	460	9	CE054150
1006	41	4.6	1040	3	EX458779	1079	40.4	4.5	473	1	AA307219
1007	41	4.6	1043	3	CR618909	1080	40.4	4.5	522	2	AM981934
1008	41	4.6	1045	3	CR590878	1081	40.4	4.5	531	5	BM616134
1009	41	4.6	1047	5	BM461606	1082	40.4	4.5	573	6	CB095487
1010	41	4.6	1048	4	BM903594	1083	40.4	4.5	579	7	CF476310
1011	41	4.6	1050	4	BM903594	1084	40.4	4.5	704	7	CN044875
1012	41	4.6	1051	4	BM903594	1085	40.4	4.5	721	7	CN043052
1013	41	4.6	1064	5	EX457584	1086	40.4	4.5	729	1	AU803471
1014	41	4.6	1068	4	BM450293	1087	40.4	4.5	771	6	CA774531
1015	41	4.6	1073	5	BM562453	1088	40.4	4.5	790	9	CE565244
1016	41	4.6	1073	5	BM562453	1089	40.4	4.5	804	5	BM981575
1017	41	4.6	1079	2	BF684932	1090	40.4	4.5	806	6	CA771982
1018	41	4.6	1082	3	CR595335	1091	40.4	4.5	866	6	CA771982
1019	41	4.6	1091	5	BU162554	1092	40.4	4.5	988	5	EX380693
1020	41	4.6	1101	5	BO421305	1093	39.8	4.5	611	7	CK564101
1021	41	4.6	1105	5	BO071466	1094	39.8	4.5	657	7	CF803751
1022	41	4.6	1112	4	BM046629	1095	39.8	4.5	678	7	CF979538
1023	41	4.6	1122	4	BM046629	1096	39.8	4.5	716	7	CF804064
1024	41	4.6	1128	4	BM453466	1097	39.8	4.5	897	7	CF935601
1025	41	4.6	1141	2	BF686267	1098	39.6	4.4	274	1	AA318079
1026	41	4.6	1143	2	BM071466	1099	39.6	4.4	349	5	BY009435
1027	41	4.6	1148	4	BM394135	1100	39.6	4.4	350	5	BY009435
1028	41	4.6	1148	5	BU819415	1101	39.6	4.4	488	7	CK495153
1029	41	4.6	1159	4	BM922596	1102	39.6	4.4	523	7	CK496088
1030	41	4.6	1178	4	BM465427	1103	39.6	4.4	557	7	CK499844
1031	41	4.6	1190	5	BU902043	1104	39.6	4.4	567	7	CK517810
1032	41	4.6	1190	5	BM926597	1105	39.6	4.4	584	7	CK488177
1033	41	4.6	1216	5	BU517104	1106	39.6	4.4	586	7	CK490785
1034	41	4.6	1258	4	BM809552	1107	39.6	4.4	634	7	CK562966
1035	41	4.6	1320	5	BM067654	1108	39.6	4.4	639	7	CK486706
1036	41	4.6	1332	3	CR621357	1109	39.6	4.4	834	7	CK938391
1037	41	4.6	1355	3	CR621357	1110	39.4	4.4	419	6	CB107087
1038	41	4.6	1413	3	CR595492	1111	39.4	4.4	427	7	CO644772
1039	41	4.6	1422	3	CR626465	1112	39.4	4.4	427	7	CO646628
1040	41	4.6	1440	3	CR598446	1113	39.4	4.4	445	2	AM161247
1041	41	4.6	1579	2	AM870860	1114	39.4	4.4	458	1	AI815622
1042	41	4.6	310	2	AM870860	1115	39.4	4.4	562	5	BU605319
1043	41	4.6	630	1	CF830497	1116	39.4	4.4	563	7	CF982102
1044	41	4.6	630	1	AU003812	1117	39.4	4.4	564	4	BM641012
1045	41	4.6	652	1	AU003778	1118	39.4	4.4			
1046	41	4.6	698	7	CK939149	1119	39.4	4.4			

1120	39.4	4.4	638	4	B1545447	B1545447	603187601	1193	38	4.3	793	7	CN823815	CN823815	Oa.spbln_
1121	39.4	4.4	650	4	BG714233	BG714233	602674912	1194	38	4.3	840	5	CN822461	CN822461	Oa.spbln_
1122	39.4	4.4	654	4	BW606356	BW606356	170006870	1195	38	4.3	1033	5	BX443047	BX443047	Ca.spbln_
1123	39.4	4.4	669	7	CO644619	CO644619	ILLUMIGEN	1196	37.8	4.2	283	7	CE976454	CE976454	FP1D06.04
1124	39.4	4.4	669	7	CO644619	CO644619	ILLUMIGEN	1197	37.8	4.2	313	1	AA685853	AA685853	EST108376
1125	39.4	4.4	686	7	CO582521	CO582521	ILLUMIGEN	1198	37.8	4.2	349	6	CB781435	CB781435	AMGNNUC:N
1126	39.4	4.4	728	6	CB553238	CB553238	MMSPO059	1199	37.8	4.2	356	1	AA686235	AA686235	EST109591
1127	39.4	4.4	739	6	CB1668405	CB1668405	603292679	1200	37.8	4.2	382	7	HA5198	HA5198	EST110071
1128	39.4	4.4	760	6	CF127685	CF127685	UI-HF-ET0	1201	37.8	4.2	386	6	CB806516	CB806516	AMGNNUC:N
1129	39.4	4.4	766	1	AL933213	AL933213	AL933213	1202	37.8	4.2	393	6	CB394014	CB394014	OSRFL30D1
1130	39.4	4.4	837	2	BE867323	BE867323	601442401	1203	37.8	4.2	401	7	CE976453	CE976453	FP30C01.01
1131	39.4	4.4	842	4	BG036691	BG036691	602286418	1204	37.8	4.2	431	4	BG663468	BG663468	DRAAAD10
1132	39.4	4.4	878	4	B1553720	B1553720	603190657	1205	37.8	4.2	436	6	CB791742	CB791742	AMGNNUC:N
1133	39.4	4.4	911	4	BM461855	BM461855	AGENCOURT	1206	37.8	4.2	442	2	BE128009	BE128009	DEPA1758
1134	39.4	4.4	916	4	BG248680	BG248680	602400858	1207	37.8	4.2	442	6	CB789963	CB789963	AMGNNUC:M
1135	39.4	4.4	922	4	B1552709	B1552709	603193960	1208	37.8	4.2	443	6	CB788910	CB788910	AMGNNUC:N
1136	39.4	4.4	934	5	BQ276743	BQ276743	AGENCOURT	1209	37.8	4.2	457	6	CB739834	CB739834	AMGNNUC:N
1137	39.4	4.4	945	5	BQ423945	BQ423945	AGENCOURT	1210	37.8	4.2	486	5	BM176897	BM176897	AMGNNUC:N
1138	39.4	4.4	988	7	CN803108	CN803108	ILLUMIGEN	1211	37.8	4.2	500	2	BE018264	BE018264	b077912.Y
1139	39.2	4.4	280	9	CG486821	CG486821	OST22015	1212	37.8	4.2	504	5	BM306422	BM306422	BM306422
1140	39.2	4.4	378	6	CA395207	CA395207	C661F01.Y	1213	37.8	4.2	517	5	BM106664	BM106664	BM106664
1141	39	4.4	318	5	BX609821	BX609821	BX609821	1214	37.8	4.2	521	2	BF019355	BF019355	BM106664
1142	39	4.4	337	4	B1751372	B1751372	Ta01_16h0	1215	37.8	4.2	556	6	CB272304	CB272304	BM106664
1143	39	4.4	345	1	AA684739	AA684739	EST105252	1216	37.8	4.2	572	1	AV954219	AV954219	AV954219
1144	39	4.4	372	7	CO265028	CO265028	EX141262.	1217	37.8	4.2	599	1	AV843936	AV843936	AV843936
1145	39	4.4	441	7	CO332000	CO332000	EX302260.	1218	37.8	4.2	619	5	BM158637	BM158637	BM158637
1146	39	4.4	477	4	B1626077	B1626077	RH66610.5	1219	37.8	4.2	626	5	BM132839	BM132839	BM132839
1147	39	4.4	580	2	BE206935	BE206935	ba06e05.Y	1220	37.8	4.2	636	5	BM364872	BM364872	BM364872
1148	39	4.4	600	6	CA169382	CA169382	SCJFSB101	1221	37.8	4.2	638	5	BM262632	BM262632	BM262632
1149	39	4.4	632	4	B1589276	B1589276	RH31664.5	1222	37.8	4.2	638	5	BM288125	BM288125	BM288125
1150	39	4.4	661	6	CA147028	CA147028	SCCRR2100	1223	37.8	4.2	666	5	BM304935	BM304935	BM304935
1151	39	4.4	664	5	BO605265	BO605265	ar02-Q03	1224	37.8	4.2	666	5	BM276538	BM276538	BM276538
1152	39	4.4	665	1	AI239320	AI239320	GM08640.5	1225	37.8	4.2	669	2	BB627317	BB627317	BB627317
1153	39	4.4	671	4	B1607231	B1607231	RH74250.5	1226	37.8	4.2	692	5	BM166543	BM166543	BM166543
1154	39	4.4	792	1	AI405423	AI405423	GH25425.5	1227	37.8	4.2	712	5	BM295908	BM295908	BM295908
1155	39	4.4	812	2	AW940975	AW940975	GH25425.3	1228	37.8	4.2	739	5	BM419291	BM419291	BM419291
1156	38.6	4.3	385	5	BY105455	BY105455	BY105455	1229	37.8	4.2	755	5	BM146894	BM146894	BM146894
1157	38.6	4.3	284	7	CO870920	CO870920	rT65B03.Y	1230	37.8	4.2	763	5	BM284695	BM284695	BM284695
1158	38.6	4.3	305	1	AV045990	AV045990	AV045990	1231	37.8	4.2	796	5	BM175637	BM175637	BM175637
1159	38.6	4.3	465	6	CB715370	CB715370	AMGNNUC:M	1232	37.8	4.2	821	2	BE667412	BE667412	602120759
1160	38.6	4.3	691	9	AG596854	AG596854	Mub.mubcu	1233	37.8	4.2	889	2	BE541997	BE541997	601066803
1161	38.6	4.3	718	9	AG000222	AG000222	Homo.sapi	1234	37.8	4.2	992	4	B1597779	B1597779	603248651
1162	38.6	4.3	1101	9	CNS0178Y	CNS0178Y	AI108460	1235	37.6	4.2	387	7	CF587851	CF587851	USDA-FP.1
1163	38.4	4.3	350	4	BM600638	BM600638	170006870	1236	37.6	4.2	516	4	B1588703	B1588703	RH30108-5
1164	38.4	4.3	350	7	NB6577	NB6577	J8918P.Huma	1237	37.6	4.2	542	4	BM174278	BM174278	TM.ad.27E
1165	38.4	4.3	354	1	AA686902	AA686902	EST111665	1238	37.6	4.2	563	4	BM885282	BM885282	ba197E03.
1166	38.4	4.3	365	7	CF791921	CF791921	880285.MA	1239	37.6	4.2	594	2	AM981489	AM981489	PC13A02.P
1167	38.4	4.3	403	5	BM196302	BM196302	BM196302	1240	37.6	4.2	649	9	CE336165	CE336165	LIqR-98B
1168	38.4	4.3	446	1	AA286635	AA286635	vb75B09.X	1241	37.6	4.2	835	7	CN754973	CN754973	ID0AA14C
1169	38.4	4.3	471	7	CN685909	CN685909	E0216602-	1242	37.6	4.2	842	7	CN764237	CN764237	ID0AA9BD
1170	38.4	4.3	635	2	AM107102	AM107102	um18905.Y	1243	37.6	4.2	852	7	CN762129	CN762129	ID0AA3CE
1171	38.4	4.3	689	5	BX916481	BX916481	BM196302	1244	37.6	4.2	853	7	CN762130	CN762130	ID0AAACE
1172	38.4	4.3	787	2	BEF03509	BEF03509	602030048	1245	37.6	4.2	854	7	CB763185	CB763185	ID0AA6BD
1173	38.4	4.3	807	4	BG709320	BG709320	602673340	1246	37.6	4.2	456	6	CB740594	CB740594	AMGNNUC:M
1174	38.4	4.3	880	5	CA467194	CA467194	AGENCOURT	1247	37.4	4.2	508	7	CO330123	CO330123	EXK294557.
1175	38.4	4.3	986	5	BX406783	BX406783	CR471768	1248	37.4	4.2	510	2	AM475842	AM475842	uq63F04.Y
1176	38.2	4.3	258	7	CR471768	CR471768	AMGNNUC:N	1249	37.4	4.2	537	4	B1612215	B1612215	RH40630.5
1177	38.2	4.3	475	6	CB728858	CB728858	AMGNNUC:N	1250	37.4	4.2	554	2	BF720193	BF720193	maB50d08.
1178	38.2	4.3	479	6	CB731074	CB731074	AMGNNUC:N	1251	37.4	4.2	660	8	BE2072839	BE2072839	1K918A03.
1179	38.2	4.3	591	7	CF803753	CF803753	rg75a06.Y	1252	37.4	4.2	779	5	BX239854	BX239854	AU266819
1180	38.2	4.3	572	7	CF803816	CF803816	rg755908.Y	1253	37.4	4.2	427	1	AU266819	AU266819	AU266819
1181	38.2	4.3	653	7	CF803807	CF803807	rg755f11.Y	1254	37.2	4.2	440	7	CO284054	CO284054	EXK165132.
1182	38.2	4.3	662	7	CF803800	CF803800	rg755f03.Y	1255	37.2	4.2	688	6	BY762373	BY762373	BM762373
1183	38.2	4.3	668	4	BM790151	BM790151	K-EST0069	1256	37.2	4.2	706	5	BM992596	BM992596	UI-H-DT0-
1184	38.2	4.3	670	7	CF803684	CF803684	rg74b12.Y	1257	37.2	4.2	1101	9	CNS00E0X	CNS00E0X	AL0069538
1185	38.2	4.3	708	4	B1275916	B1275916	UI-R-CX0-	1258	37	4.2	442	7	CN960288	CN960288	7788.1001
1186	38.2	4.3	911	6	CB315099	CB315099	AGENCOURT	1259	37	4.2	496	4	BG210643	BG210643	PG11n.pk0
1187	38	4.3	308	1	AA326196	AA326196	EST29344	1260	37	4.2	516	4	BG225654	BG225654	kP70d01.Y
1188	38	4.3	540	7	CK537696	CK537696	rBwB0.00	1261	37	4.2	519	2	BE759425	BE759425	an.2237.A
1189	38	4.3	597	2	B1387272	B1387272	BF126_T01	1262	37	4.2	564	2	BE759425	BE759425	an.2237.A
1190	38	4.3	600	2	AM327467	AM327467	dq03904.x	1263	37	4.2	588	5	BE213995	BE213995	60375807
1191	38	4.3	651	7	CK537474	CK537474	rBwB0.00	1264	37	4.2	683	2	BE377936	BE377936	601230112
1192	38	4.3	756	4	B1200187	B1200187	602763692	1265	37	4.2	693	6	CB654559	CB654559	OSJNEC07C

1266	37	4.2	799	1	A1087497	A1087497	SWAMCACL7	1339	36.8	4.1	628	7	CK625503	mi122905.Y
1267	37	4.2	824	4	B1145015	B1145015	602909676	1340	36.8	4.1	629	4	BG861500	BG861500
1268	37	4.2	834	5	B0185296	B0185296	AGENCOURT	1341	36.8	4.1	633	4	B1730853	B1730853
1269	37	4.2	881	7	CK938661	CK938661	CGF100444	1342	36.8	4.1	639	5	B0444490	UI-M-ERO-
1270	37	4.2	884	4	BG432505	BG432505	602495650	1343	36.8	4.1	638	5	BF534246	BF534246
1271	37	4.2	893	5	BX336248	BX336248	602365248	1344	36.8	4.1	639	4	BG971494	BG971494
1272	37	4.2	925	5	BX378317	BX378317	602838004	1345	36.8	4.1	641	7	CFE894971	CFE894971
1273	37	4.2	925	5	CR721052	CR721052	602838004	1346	36.8	4.1	652	6	CB056095	CB056095
1274	37	4.2	1214	3	CR721052	CR721052	602838004	1347	36.8	4.1	656	6	BB658508	BB658508
1275	36.8	4.1	342	4	B1751301	B1751301	602838004	1348	36.8	4.1	659	6	BY743059	BY743059
1276	36.8	4.1	385	6	C41622	C41622	602838004	1349	36.8	4.1	662	6	CA322080	CA322080
1277	36.8	4.1	385	6	C49853	C49853	602838004	1350	36.8	4.1	664	6	CB058286	CB058286
1278	36.8	4.1	435	6	CB792670	CB792670	602838004	1351	36.8	4.1	666	6	BY754270	BY754270
1279	36.8	4.1	442	2	AM464351	AM464351	602838004	1352	36.8	4.1	671	5	B0178159	B0178159
1280	36.8	4.1	450	7	CF901694	CF901694	602838004	1353	36.8	4.1	671	5	BO445681	BO445681
1281	36.8	4.1	464	6	CA285818	CA285818	602838004	1354	36.8	4.1	671	5	BO445681	BO445681
1282	36.8	4.1	487	6	CA563071	CA563071	602838004	1355	36.8	4.1	671	5	BO445681	BO445681
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1285	36.8	4.1	503	6	CB784052	CB784052	602838004	1358	36.8	4.1	687	2	BF234034	BF234034
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1288	36.8	4.1	511	6	CD534057	CD534057	602838004	1361	36.8	4.1	694	5	BM949026	BM949026
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RESULT 1	AY037148	874 bp	mRNA	linear	HTC 02-JUL-2001
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ACCESSION	AY037148				
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KEYWORDS	HTC.				
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
REFERENCE	1 (bases 1 to 874)				
AUTHORS	Zhang, W., Li, N., Wan, T. and Cao, X.				
TITLE	Direct Submission				
JOURNAL	Submitted (25-MAY-2001) Department of Immunology, Second Military Medical University, 800 Xiangyin Rd., Shanghai 200433, P.R.China				
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ORIGIN					
Query Match	93.6%	Score 833.2;	DB 3;	Length 874;	
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Matches 849;	Conservative 0;	Mismatches 8;	Indels 1;	Gaps 1;	

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QY	144	TGTCATCTGGAGACGAGATGAGAACGCCGCTGTGCATGAGAGCCCTTTGGACGAGG	203
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RESULT 2
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ACCESSION BU682658
VERSION   BU682658.1 GI:23533769
KEYWORDS  EST.
SOURCE    Homo sapiens (human)
ORGANISM  Homo sapiens
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Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 716)
AUTHORS   Bonaldo,M.F., Lennon,G. and Soares,M.B.
TITLE      Normalization and subtraction: two approaches to facilitate gene
JOURNAL    Genome Res. 6 (9) , 791-806 (1996)
MEDLINE    97044477
PUBMED     8889348
COMMENT    Contact: McCray, PB
            McCray Lab
            University of Iowa
            2024 University of Iowa Med Labs, Iowa City, IA 52242, USA
            Tel: 319 356 4866
            Fax: 319 356 7171
            Email: paul-mccray@uiowa.edu

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Tissue Procurement: Dr. M. J. Welsh, University of Iowa
 cDNA Library Preparation: Dr. M. Bento Soares, University of Iowa
 DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
 Cloning Distribution: Researchers may obtain clones from Research
 Genetics (www.resgen.com) or from Open Biosystems
 (www.openbiosystems.com).
 The following repetitive elements were found in this cDNA
 sequence: 1-42, >POLY A#simple_repeat (matched complement)
 Seq primer: M13 FORWARD
 POLYA=yes.

FEATURES

source

Location/Qualifiers

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UT-CF-EC1 is a normalized cDNA library containing the
following tissue(s): Normal Lung from adult and from fetal
day 64, day 87, week 19 and week 42. The library was
constructed according to Bonaldo, Lennon and Soares,
Genome Research, 6:791-806, 1996. First strand cDNA
synthesis was primed with an oligo-dT primer containing a
Not I site. Double stranded cDNA was ligated to an EcoR I
adaptor, digested with Not I, and cloned directionally
into pT73-Pac vector. The oligonucleotide used to prime
the synthesis of first-strand cDNA contains a library tag
sequence that is located between the Not I site and the
(dT)18 tail. The sequence tag for this library is
AAGTCTTAC.
TAG TISSUE=Normal Lung Epithelial Cells Tissue nos 369-371
and 380-383
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TAG_SEQ=AAGTCTTAC"

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ORIGIN

Query Match 73.6%; Score 655; DB 5; Length 716;
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 Matches 680; Conservative 0; Mismatches 6; Indels 2; Gaps 2;

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Db      716 TGGACGAGACACCTCTTTTGGCAGGCGCTTGAAGTTTCTACCCAGATTGGGAAACA 657
Qy      255 TTGGCTGCAAGGTTTCTGATGTAAACAATCAAGACAGAAATACCTCTCGATGG 314
Db      656 TTGGCTGCAAGGTTTCTGATGTAAACAATCAAGACAGAAATACCTCTCGATGG 597
Qy      315 AGCCGATAGTCAAGTTCCCGGGGCGCTGTGACGCGCAACTATATCTGTGATGG 374
Db      536 AGCCGATAGTCAAGTTCCCGGGGCGCTGTGACGCGCAACTATATCTGTGATGG 537
Qy      375 ATCCGATGCCCCCTAGACAGACAGAACCCAGACAGATTCTGAGACATTGGCTGTA 434
Db      536 ATCCGATGCCCCCTAGACAGACAGAACCCAGACAGATTCTGAGACATTGGCTGTA 477
Qy      435 CAGATATCAAGGGGCGGACCTGTGAAGAAAGGAAGATTCAAGGCGCAGAGATTACGCT 494
Db      476 CAGATATCAAGGGGCGGACCTGTGAAGAAAGGAAGATTCAAGGCGCAGAGATTACGCT 417
Qy      495 ACCAGGCTCC-TCGCCACGGGACACAGTGGCTTCATGCTACAGATTCTTTGTCTAT 553
Db      416 ACCAGGCTCCCTTCCACGGGACACAGTGGCTTCATGCTACAGATTCTTTGTCTAT 357
Qy      554 CTTACGAGAAAGAAAGTATCTCTCTTCCAGAGAAACAAACAACTCGAGGCTCTGG 613
Db      356 CTTACGAGAAAGAAAGTATCTCTCTTCCAGAGAAACAAACAACTCGAGGCTCTGG 297

```

QY 614 AAAATGACAGATTCTGAAACCGCTTCCACCTGGGCGAACCCTGAGCAAGCACCAGTTC 673
Db 296 AAAATGACAGATTCTGAAACCGCTTCCACCTGGGCGAACCCTGAGCAAGCACCAGTTC 237
QY 674 ATGACCCGAACTACAGAGACTCAACCAACCTCCAGGCTCCAGAGGAGGCGACGAG 733
Db 236 ATGACCCGAACTACAGAGACTCAACCAACCTCCAGGCTCCAGAGGAGGCGACGAG 177
QY 734 CCCAAGGAC-AAAACCGAGGAGATAGCTGCGCTGATAGATGCGGCTTTGGCCATCCG 792
Db 176 CCCAAGGACAAAACCGAGGAGATAGCTGCTGATAGATGCGGCTTTGGCCATCCG 117
QY 793 GCATGTGGCCACACTGCTCAACCAAGAGATGTGGATATGGAACCCCTGTGATACAGA 852
Db 116 GCATGTGGCCACACTGCTCAACCAAGAGATGTGGATATGGAACCCCTGTGATACAGA 57
QY 853 ACCCTTCTTTTCCAAATTTAAAAAAA 880
Db 56 ACCCTTCTTTTCCAAATTTAAAAAAA 29

RESULT 3
BG545668 749 bp mRNA linear EST 04-APR-2001
LOCUS 602572933F1 NIH_MGC_77 Homo sapiens cDNA clone IMAGE:4700840 5',
DEFINITION mRNA sequence.
ACCESSION BG545668
VERSION BG545668.1 GI:13544333
KEYWORDS EST.
SOURCE Homo sapiens
ORGANISM Homo sapiens (human)

REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheraia; Primates; Catarrhini; Homiidae; Homo.
TITLE NIH-MGC http://mgi.nci.nih.gov/.
JOURNAL National Institutes of Health, Mammalian Gene Collection (MGC)
COMMENT Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: CLONTECH Laboratories, Inc.
cDNA Library Preparation: CLONTECH Laboratories, Inc.
DNA Library Arrayed by: The I.M.A.G.E. Consortium (LMNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LMNL at:
http://image.llnl.gov
Plate: L1CM1535 row: b column: 09
High quality sequence stop: 740.
Location/Qualifiers

FEATURES
source
1..749
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:4700840"
/lab_host="DH10B (T1 phage-resistant)"
/clone_lib="NIH_MGC_77"
/note="Organ: lung; Vector: pNR-LIB (Clontech); Site: 1:
Site1 (ggcgccgcgcgc); Site_2: Site1 (ggcgccatggcc); 5' and
3' adaptors were used in cloning as follows: 5' adaptor
sequence: 5'-CACGCCATATGAGC-3' and 3' adaptor sequence:
5'-ATTCTAGAGCGGAGCGGCGCATG-dt (30)BN-3' (where B = A,
C, or G and N = A, C, G, or T). Average insert size 1.9
kb (range 0.5-4.0 kb). 12/15 colonies contained inserts
by PCR. This library was enriched for full-length clones
and was constructed by Clontech Laboratories (Palo Alto,
CA). Note: this is a NIH_MGC Library."

ORIGIN

Query Match 72.7%; Score 646.8; DB 4; Length 749;
Best Local Similarity 96.0%; Pred. No. 5.7e-180;
Matches 718; Conservative 0; Mismatches 22; Indels 8; Gaps 5;

QY 5 ACTGTGTCGGGATGTGAGCTGATTAAGCTGCGAGCCCTGGAAGCTGCTGCTTCT 64
Db 2 ACTGTGTCGGGATGTGAGCTGATTAAGCTGCGAGCCCTGGAAGCTGCTGCTTCT 61
QY 65 CCTGTGCTTAAACAGAGGTGCCATGGTTGGCAATGAGGTGTGACAGACACTG 124
Db 62 CCTGTGCTTAAACAGAGGTGCCATGGTTGGCAATGAGGTGTGATACAGACACTG 121
QY 125 TTACTGGGTCTCANTGATGTGTGTCTACGTGAGACAGAGATAGAAACACCCGTGTGCCAT 184
Db 122 TTACTGGGTCTCANTGATGTGTGTGTCTACGTGAGACAGAGATAGAAACACCCGTGTGCCAT 181
QY 185 GAGGCCCTCTTGAACGAGACACCCCTTTTGGCCAGGCGCTTGAAGTTTCTACCCAGAG 244
Db 182 GAGGCCCTCTTGAACGAGACACCCCTTTTGGCA-66CCTGGAAGTTTCTACCCAGAG 240
QY 245 TTGGGGAACTTGGCTGCAAGTTTCTGTATTTGAACAATACAGACAGAGATCAC 304
Db 241 TTGGGGAACTTGGCTGCAAGTTTCTGTATTTGAACAATACAGACAGAGATCAC 300
QY 305 TCCGTGATGAGACCGATAGTCAAGTTCCCGGGGCGGTGACCGGCGCAACTATATCCTG 364
Db 301 TCCGTGATGAGACCGATAGTCAAGTTCCCGGGGCGGTGACCGGCGCAACTATATCCTG 360
QY 365 GTGATGTGATCCAGATGCGCCCTAGCAGACAGAACCCAGACAGATTTGAGACAT 424
Db 361 GTGATGTGATCCAGATGCGCCCTAGCAGACAGAACCCAGACAGATTTGAGACAT 420
QY 425 TGGCTGTAAACAGATTAACAAGGCGCGACCTGAAAGAGAAATTCAGGGCCAGAG 484
Db 421 TGGCTGTAAACAGATTAACAAGGCGCGACCTGAAAGAGAAATTCAGGGCCAGAG 480
QY 485 TTATACACCTTACAGAGTCCCTCCCGACCGGACACAGTGGCTTCCATCGTACAGTTC 544
Db 481 TTATACACCTTACAGAGTCCCTCCCGACCGGACACAGTGGCTTCCATCGTACAGTTC 540
QY 545 TTGTCTATCTTTCAGAGAGAA-AGTCATCTCTCTTCCAGAGAAACAAACTCG 603
Db 541 TTGTCTATCTTTCAGAGAGAAACAGTCACTCTCTTCCAGAGAAACAAACTCG 600
QY 604 AGGCTCTTGAATAATGACAGAA--TTTGTGAACCGCTTCACTGCGGCAACTGAGC 660
Db 601 AGGCTCTTGAATAATGACAGAACTTCTTGAACCGGTTCCACTGCGGCAACTGAGC 660
QY 661 AAGACCCCAATTCATGA-CCCAAGACTACAGACATCA-CCAACTCCAGGCTCCAG 717
Db 661 AAGACCCCAATTCATGAACCAAGACTACAGACATCACTCCAGGCTCCAG 720
QY 718 AGGAAGGCGCAGAGCCCAAGCACA 745
Db 721 AGGAAGGCGCAGAGCCCAAGCACA 748

RESULT 4
BU682973 685 bp mRNA linear EST 07-OCT-2002
LOCUS BU682973/c
DEFINITION UT-CF-EC1-acl-g-09-0-UI.81 UT-CF-EC1 Homo sapiens cDNA clone
UT-CF-EC1-acl-g-09-0-UI.3, mRNA sequence.
ACCESSION BU682973
VERSION BU682973.1 GI:23534403
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheraia; Primates; Catarrhini; Homiidae; Homo.
REFERENCE Bonaldo, M.F., Lennon, G., and Soares, M.B.
AUTHORS Normalization and subtraction: two approaches to facilitate gene
discovery
JOURNAL Genome Res. 6 (9), 791-806 (1996)
MEDLINE 97044477
PUBMED 8889548
COMMENT Contact: McCray, PB

McCray Lab
University of Iowa
2024 University of Iowa Med Labs, Iowa City, IA 52242, USA
Tel: 319 356 4866
Fax: 319 356 7171
Email: paul-mccray@iowa.edu

Tissue Procurement: Dr. M. J. Welsh, University of Iowa
CDNA Library preparation: Dr. M. Bento Soares, University of Iowa
CDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com) or from Open Biosystems
(www.openbiosystems.com).
The following repetitive elements were found in this cDNA
sequence: 1-42, >POLY A#Simple_repeat (matched complement)
Seq primer: M13 FORWARD
POLYA=yes.

FEATURES
Source

Location/Qualifiers
1. .685
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="UI-CF-EC1-acl-g-09-0-UI"
/tissue_type="Lung"
/dev_stage="Adult and Fetal"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/clone_lib="UI-CF-EC1"
/note="Organ: Lung; Vector: pT73-Pac (Pharmacia) with a
modified polylinker; Site 1: EcoR I; Site 2: Not I;
UI-CF-EC1 is a normalized cDNA library containing the
following tissue(s): Normal Lung from adult and from fetal
day 64, day 87, week 19 and week 42. The library was
constructed according to Bonaldo, Lennon and Soares,
Genome Research, 6:791-806, 1996. First strand cDNA
synthesis was primed with an oligo-dT primer containing a
Not I site. Double stranded cDNA was ligated to an EcoR I
adaptor, digested with Not I, and cloned directionally
into pT73-Pac vector. The oligonucleotide used to prime
the synthesis of first-strand cDNA contains a library tag
sequence that is located between the Not I site and the
(drr)18 tail. The sequence tag for this library is
AAGTCTTAC.
TAG TISSUE=Normal Lung Epithelial Cells Tissue nos 369-371
and 380-383
TAG LIB=UI-CF-EC1
TAG_SEQ=AAGTCTTAC"

ORIGIN

Query Match 71.6%; Score 637; DB 5; Length 685;
Best Local Similarity 99.1%; Pred. No. 4,4e-177;
Matches 651; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

225 TTGAAGTTTCTACCCAGAGTTGGGGAACATTGGCTCGAAGTTTCTGATTGTAACA 284
685 TTGAAGTTTCTACCCAGAGTTGGGGAACATTGGCTCGAAGTTTCTGATTGTAACA 626
285 ACTACAGACAGAGATCACTCTCGATGAGCGGATGATCAAGTTCCCGGGGCGCTG 344
625 ACTACAGACAGAGATCACTCTCGATGAGCGGATGATCAAGTTCCCGGGGCGCTG 566
345 ACGGCGCACTATATCTGATGATGATGATCAAGTCCCTAGACAGACGAACCA 404
565 ACGGCGCACTATATCTGATGATGATGATCAAGTCCCTAGACAGACGAACCA 506
405 GACAGAGATTCTGAGACATTGGCTGTAACAGATTAAGGGCGCGCACTGAAGAAAG 464
505 GACAGAGATTCTGAGACATTGGCTGTAACAGATTAAGGGCGCGCACTGAAGAAAG 446
465 GGAAGATTACGGGCGCAGAGATTATCAGCTTACCAAGGCTCCCTCCACCGGACACAGTG 524
445 GGAAGATTACGGGCGCAGAGATTATCAGCTTACCAAGGCTCCCTCCACCGGACACAGTG 386
525 GCTTCATCCGCTACAGTTCTTTGTATCTTCAGAGAGAAAGATCATCTCTTCCTTC 584

Db
385 GCTTCATCCGCTACAGTTCTTTGTATCTTCAGAGAGAAAGATCATCTCTTCCTTC 326
Qy
585 CCAAGAGAAAACAAAACCTCGAGGCTTTGGAAAATGACAGATTTTGAACCGCTTCAC 644
Db
325 CCAAGAGAAAACAAAACCTCGAGGCTTTGGAAAATGACAGATTTTGAACCGCTTCAC 266
Qy
645 TGGGCGCACTGTAAGCAAGACCAAGTTATGACCCAGAACTTACAGAGATCAACCAACC 704
Db
265 TGGGCGCACTGTAAGCAAGACCAAGTTATGACCCAGAACTTACAGAGATCAACCAACC 206
Qy
705 TCGAGGCTCCCAAGAGAAAGGCGCAGGAGCCCAAGAC-AAAACAGAGAGATTAAGCTG 763
Db
205 TCGAGGCTCCCAAGAGAAAGGCGCAGGAGCCCAAGACCAAGCAAAAACAGGGGAGATGCTG 146
Qy
764 CCGCTGATGATGCGGCGCTTTGCCATCGGGCATGTGGCCACACTGCTCCACCAAGCAT 823
Db
145 CCGCTGATGATGCGGCGCTTTGCCATCGGGCATGTGGCCACACTGCTCCACCAAGCAT 86
Qy
824 GTGGGTATGAAACCCCTCTGATACAGAAACCCCTTTTTCGAATTAATTAATTAATTA 880
Db
85 GTGGGTATGAAACCCCTCTGATACAGAAACCCCTTTTTCGAATTAATTAATTAATTA 29

RESULT 5
BU683324/c 681 bp mRNA linear EST 07-OCT-2002
LOCUS
DEFINITION
UI-CF-EC1-ace-m-22-0-UI.s1 UI-CF-EC1 Homo sapiens cDNA clone
BU683324
ACCESSION
BU683324.1 GI:23535158
VERSION
KEYWORDS
EST.
SOURCE
Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1 (bases 1 to 681)
Bonaldo, M.F., Lennon, G. and Soares, M.B.
Normalization and subtraction: two approaches to facilitate gene
discovery
Genome Res. 6 (9), 791-806 (1996)
97044477
8889548
MEDLINE
PUBMED
COMMENT

REFERENCE
AUTHORS
TITLE
JOURNAL
MEDLINE
PUBMED
COMMENT
McCrays Lab
University of Iowa
2024 University of Iowa Med Labs, Iowa City, IA 52242, USA
Tel: 319 356 4866
Fax: 319 356 7171
Email: paul-mccray@iowa.edu
Tissue Procurement: Dr. M. J. Welsh, University of Iowa
CDNA Library preparation: Dr. M. Bento Soares, University of Iowa
CDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com) or from Open Biosystems
(www.openbiosystems.com).
The following repetitive elements were found in this cDNA
sequence: 1-42, >POLY A#Simple_repeat (matched complement)
Seq primer: M13 FORWARD
POLYA=yes.

FEATURES
Source

Location/Qualifiers
1. .681
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="UI-CF-EC1-ace-m-22-0-UI"
/tissue_type="Lung"
/dev_stage="Adult and Fetal"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/clone_lib="UI-CF-EC1"
/note="Organ: Lung; Vector: pT73-Pac (Pharmacia) with a
modified polylinker; Site 1: EcoR I; Site 2: Not I;

UI-6F-Ec1 is a normalized cDNA library containing the following tissues(s): Normal lung from adult and from fetal day 64, day 87, week 19 and week 42. The library was constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:781-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pRTT3-pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the (dT)18 tail. The sequence tag for this library is `ATGCTGCTTCTTC`.

```
QY 362 CTGCTGATGCTGATTCAGATGCCCTTAGACAGACGAAACCCAGACAGATTTCTGAGA 421
Db 543 CTGGTATGCTGATTCAGATGCCCTTAGACAGACGAAACCCAGACAGATTTCTGAGA 484
QY 422 CATTTGCTGGTAAACAGATTAACAGAGGCGCGACCTGAAAGAAAGGAAATTTCAAGGCGAG 481
Db 483 CATTTGCTGGTAAACAGATTAACAGAGGCGCGACCTGAAAGAAAGGAAATTTCAAGGCGAG 424
QY 482 GAGTTATCAGCTTACAGAGGCTCCCTCCACCGGACACAGAGGCTTCATGCTACGAG 541
Db 423 GAGTTATCAGCTTACAGAGGCTCCCTCCACCGGACACAGAGGCTTCATGCTACGAG 364
QY 542 TTTCTTGTCTATCTTCAAGAGAAAGAAAGTCACTCTCTCTCTCCCAAGAAACAAAAT 601
Db 363 TTTCTTGTCTATCTTCAAGAGAAAGAAAGTCACTCTCTCTCTCCCAAGAAACAAAAT 304
QY 602 CGAGGCTCTTGGAAATGAGACAGATTTTGAACCGCTTCCACCTGGGCGAACTTGAAACA 661
Db 303 CGAGGCTCTTGGAAATGAGACAGATTTTGAACCGCTTCCACCTGGGCGAACTTGAAACA 244
QY 662 AGCACCAGTTTATGACCCAGAACTACAGAGCTCAACCAACCTTCAGGCTCCAGAGAA 721
Db 243 AGCACCAGTTTATGACCCAGAACTACAGAGCTCAACCAACCTTCAGGCTCCAGAGAA 184
QY 722 AGGCGCAGGAGCCCAAGAC-AAAACAGGAGAGATGAGTGCCTGTAGATAGCCGCG 780
Db 183 AGGCGCAGGAGCCCAAGACAAAACAGGCGAGATGAGTGCCTGTAGATAGCCGCG 124
QY 781 TTTGCCATTCGGGCGCATGTGGCCACAGTCTCAACCAACGATGTGGTATGAAACCC 840
Db 123 TTTGCCATTCGGGCGCATGTGGCCACAGTCTCAACCAACGATGTGGTATGAAACCC 64
QY 841 TCTGATACAGAACCCCTTCTTTTCCAAATTAATAAAAAA 880
Db 63 TCTGATACAGAACCCCTTCTTTTCCAAATTAATAAAAAA 24
```

```
RESULT 7
Bg203405 796 bp mRNA linear EST 21-APR-2001
LOCUS RST22786 Athersys RAGE Library Homo sapiens cDNA, mRNA sequence.
DEFINITION BG203405
ACCESSION BG203405.1 GI:13725092
VERSION EST.
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 796)
AUTHORS Harrington,J.J., Sherf,B., Rundlett,S., Jackson,P.D., Perry,R.,
Cain,S., Leventhal,C., Thornton,M., Ramachandran,R.,
Whittington,J., Lerner,L., Costanzo,D., McElligott,K., Booser,S.,
Mays,R., Smith,B., Veloso,N., Kikka,A., Hess,J., Cochran,K., Lo,K.,
Offenbacher,J., Danzig,J. and Nucar,M.
Creation of genome-wide protein expression libraries using random
activation of gene expression
Nat. Biotechnol. 19 (5), 440-445 (2001)
JOURNAL MEDLINE
PUBMED 11329013
TITLE
COMMENT Contact: Scott J. Cain
Athersys, Inc.
3201 Carnegie Ave, Cleveland, OH 44115, USA
Tel: 216 431 9900
Fax: 216 361 9596
Email: scai@atersys.com
High quality sequence stop: 408.
Location/Qualifiers
1..796
FEATURES
SOURCE
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/cell_line="HT1080"
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/clone.lib="Athersys RAGE Library"
/note="See 'Creation of Genome-wide Protein Expression
Libraries using Random Activation of Gene Expression',
Nature Biotechnology, in press. Note that even though the
cell type indicated is HT1080, since a random activation
method was used, these sequence tags are not necessarily
expressed in HT1080 under normal circumstances."
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Query Match 69.2%; Score 616; DB 4; Length 796;
Best Local Similarity 96.6%; Pred. No. 7.8e-171;
Matches 661; Conservative 0; Mismatches 20; Indels 3; Gaps 3;
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QY 82 GGTGCCATGGGTGACATGAGGCTGTGACACAGACATGTAAGGCTCATGAT 141
Db 2 GGTGCCATGGGTGACATGAGGCTGTGACACAGACATGTAAGGCTCATGAT 61
QY 142 GGTGTCACTGAGACGAGATGAGAACAGCCGTGTGCCATGAGCCCTTGAAGA 201
Db 62 GGTGTCACTGAGACGAGATGAGAACAGCCGTGTGCCATGAGCCCTTGAAGA 121
QY 202 GGAACACCTCTTTTGGCAGGGGCTTGAAGTTTCTAACCAAGTTGGGAAACATTGGCTG 261
Db 122 GGAACACCTCTTTTGGCAGGGGCTTGAAGTTTCTAACCAAGTTGGGAAACATTGGCTG 181
QY 262 CAAGTTGTTCTGATTGTAACTACAGACAGAAAGATCACTCTGATGAGCCGAT 321
Db 182 CAAGTTGTTCTGATTGTAACTACAGACAGAAAGATCACTCTGATGAGCCGAT 241
QY 322 AGTCAAGTTCCCGGGGGCGCTGGAGACGGGCAACCTATATCTGTGATGATGATCCAGA 381
Db 242 AGTCAAGTTCCCGGGGGCGCTGGAGACGGGCAACCTATATCTGTGATGATGATCCAGA 301
QY 382 TGCCTTACAGACAGAACCCAGACAGAGATTTGAGACATTGGCTGTAACAGATAT 441
Db 302 TGCCTTACAGACAGAACCCAGACAGAGATTTGAGACATTGGCTGTAACAGATAT 361
QY 442 CAAGGGCGCCGACCTGAAGAAAGGAAATTCAGGGCCAGAGATTATCAGCTTACAGGC 501
Db 362 CAAGGGCGCCGACCTGAAGAAAGGAAATTCAGGGCCAGAGATTATCAGCTTACAGGC 421
QY 502 TCCCTCCCGCAGCGGACACAGTGTGCTTCATGCTACCAAGTTCTTGTCTATCTTCAGGA 561
Db 422 TCCCTCCCGCAGCGGACACAGTGTGCTTCATGCTACCAAGTTCTTGTCTATCTTCAGGA 481
QY 562 AGGAAAGTCAATCTCTCTCTTCCCAAGAAACAAATCTGAGGCTTTGAAATATGA 621
Db 482 AGGAAAGTCAATCTCTCTCTTCCCAAGAAACAAATCTGAGGCTTTGAAATATGA 541
QY 622 CAGATTTCTGAACCGGCTTCCACTGGGGCGAA-CCTGAAGCAAGACCAATTGATGACCC 680
Db 542 CAGATTTCTGAACCGGCTTCCACTGGGGCGAA-CCTGAAGCAAGACCAATTGATGACCC 601
QY 601 AGAATCAACGAGTCAACCAACCTTCAGAGCTCCAGAGAGAGGCGCAGAGCCCAAGC 740
Db 622 AGAATCAACGAGTCAACCAACCTTCAGAGCTCCAGAGAGAGGCGCAGAGCCCAAGC 659
QY 741 ACAAAACGAGCAGAGATGAGTGC 764
Db 660 ACAAAACGAGCAGAGATGAGTGC 683
```

```
RESULT 8
CD370545/c 729 bp mRNA linear EST 05-AUG-2004
LOCUS UI-H-FT1-bKc-b-15-0-UI.81 NC1_GCAP_FTI Homo sapiens cDNA clone
DEFINITION UI-H-FT1-bKc-b-15-0-UI.3, mRNA sequence.
ACCESSION CD370545
VERSION CD370545.1 GI:3154635
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
```

REFERENCE
1 (bases 1 to 729)
AUTHORS
NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
TITLE
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index

JOURNAL
COMMENT
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapdb-remail.nih.gov
Tissue Procurement: Dr. Gary W. Hunninghake, U of I
CDNA Library Preparation: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Distribution information can be found at
<http://genome.uiowa.edu/distribution/cgap.html>
Seq primer: M13 FORWARD
POLYA=Yes

FEATURES
SOURCE
Location/Qualifiers
1..729
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="UI-H-FT1-bkc-b-15-0-UI"
/tissue_type="Alveolar Macrophage"
/dev_stage="Adult"
/lab_host="DH10B (Life Technologies)"
/clone_id="NCI CGAP FT1"
/note="Organ: Lung; Vector: pRTT3-Pac (Pharmacia) with a
modified polylinker; Site_1: Ecor I; Site_2: Not I;
NCI CGAP FT1 is a normalized cDNA library constructed from
a pool of 81 RNA samples from Alveolar Macrophages
challenged with different treatments. The mRNA samples
were a mixture of these conditions (times refer to
incubations following isolation by bronchoalveolar lavage)
(some normal donor macrophages were cultured in some of
the conditions, other donor macrophages in different
conditions). The mRNA samples were pooled for library
construction. Control 0 hours; control 3 hours; control 24
hours; LPS 100 ng/ml, 3 hours; PMA 100 ng/ml, 24 hours;
PMA 10 ng/ml, 3 hours; PMA 10 ng/ml, 24 hours; Klebsiella
moi 10, 3 hours; Klebsiella moi 10, 24 hours; Staph aureus
moi 10, 3 hours; Staph aureus moi 10, 24 hours; Adenoviral
vector (Ad5 CMV egfp), moi 500, 3 hours; Adenoviral
vector (Ad5 CMV egfp), moi 500, 24 hours; wt adenovirus moi 500,
3 hours; wt adenovirus moi 500, 24 hours; Ad vector + LPS
3 hours; Ad vector + LPS 24 hours; wt adenovirus + LPS 3
hours; wt adenovirus + LPS 24 hours. The library was
normalized according to Bonaldo, Lennon and Soares, Genome
Research, 6:791-806, 1996. First strand cDNA synthesis was
primed with an oligo-dT primer containing a Not I site.
Double stranded cDNA was ligated to an Ecor I adaptor,
digested with Not I, and cloned directionally into
pRTT3-Pac vector. The oligonucleotide used to prime the
synthesis of first-strand cDNA contains a library tag
sequence that is located between the Not I site and the
(dT)18 tail. The sequence tag for this library is
GGCCATGCCG. The tissue was provided by Dr. Gary W.
Hunninghake of the University of Iowa.
TAG_TISSUE=Human Lung Alveolar Macrophage
TAG_LIB=UI-H-FT1
TAG_SEQ=GGCCATGCCG"

ORIGIN

Query Match 69.2%; Score 615.8; DB 6; Length 729;
Best Local Similarity 96.6%; Pred. No. 8.7e-171;
Matches 659; Conservative 0; Mismatches 20; Indels 3; Gaps 3;
QY 200 GAGGACACCCCTTTTCCAGGCGCTTGAAGTTTCTACCCAGAGTTGGGAGACATTGGC 259
DB 707 GAGGACACCCCTTTTCCAGGCGCTTGAAGTTTCTACCCAGAGTTGGGAGACATTGGC 648
QY 260 TGCAGAGTTTCTGATTTGAACAATCAAGACAGAAAGATCACTCTCGATGAGAGCCG 319
DB 647 TGCAAGG-TGTTCTGATTTGAACAATCAAGACAGAAAGATCACTCTCGATGAGAGCCG 589

QY 320 ATAGTCAAGTTCCCGGGGGCCGTGAGCGGCGCAACTATATCTGTGATGATGATCCA 379
DB 588 ATATGTCAGATTTCCCGGGGGCCGTGAGCGGCGCAACTATATCTGTGATGATGATCCA 529
QY 380 GATGCCCTTAGCAGAGCAAGAACCCAGACAGAGATTCTTGAGACATTGGCTGTAAACAGAT 439
DB 528 GAT-CCCTTAGCAGAGCAAGAACCCAGACAGAGATTCTTGAGACATTGGCTGTAAACAGAT 470
QY 440 ATCAAGGGCGCCGACCTGGAAGAAAGGAAATTCAAGGCCGAGAGTTTCAAGCTTACAG 499
DB 469 ATCAAGGGCGCCGACCTGGAAGAAAGGAAATTCAAGGCCGAGAGTTTCAAGCTTACAG 410
QY 500 GCTCCCTCCCGACCGGACAGAGTGGCTTCATGCTACAGAGTCTTTGTCTATCTTACAG 559
DB 409 GCTCCCTCCCGACCGGACAGAGTGGCTTCATGCTACAGAGTCTTTGTCTATCTTACAG 350
QY 560 GAAGGAAAGTCAATCTCTCTCTTCCAGAGGAAACAAACTCGAGGCTTTGGAATAAG 619
DB 349 GAAGGAAAGTCAATCTCTCTTCCAGAGGAAACAAACTCGAGGCTTTGGAATAAG 290
QY 620 GACGATTTCTGAACCGCTTCCACTGGGCGCAACTGAAAGCAAGCACTTATGATACC 679
DB 289 GACGATTTCTGAACCGCTTCCACTGGGCGCAACTGAAAGCAAGCACTTATGATACC 230
QY 680 CAGAACTACAGAGACTACCAACCTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 739
DB 229 CAGAACTACAGAGACTACCAACCTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 170
QY 740 CAC-AAAACAGAGGAGAGATAGTGTCTGTAGATAGCGGCTTTGCCATCGGGCATGT 798
DB 169 CACAAACAGAGGAGAGATAGTGTCTGTAGATAGCGGCTTTGCCATCGGGCATGT 110
QY 799 GGGCAGCTGTCTACACCGACGATGTGGATATGAAACCCCTTGGATACGAACCCCT 858
DB 109 GGGCAGCTGTCTACACCGACGATGTGGATATGAAACCCCTTGGATACGAACCCCT 50
QY 859 TCTTTCCAAATTAATAAAAAA 880
DB 49 TCTTTCCAAATTAATAAAAAA 28

RESULT 9
BU678191/c 660 bp mRNA linear EST 07-OCT-2002
DEFINITION
UI-CF-ECO-abi-d-12-0-UI-s1 UI-CF-ECO Homo sapiens cDNA clone
BU678191
VERSION
BU678191.1 GI:23524901
KEYWORDS
EST.
SOURCE
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
REFERENCE
1 (bases 1 to 660)
Bonaldo, M.F., Lennon, G. and Soares, M.B.
Normalization and subtraction: two approaches to facilitate gene
discovery
Genome Res. 6 (9), 791-806 (1996)
JOURNAL
MEDLINE
PUBMED
COMMENT
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McCrack Lab
University of Iowa
2024 University of Iowa Med Labs, Iowa City, IA 52242, USA
Tel: 319 356 4866
Fax: 319 356 7171
Email: paul-mccray@uiowa.edu
Tissue Procurement: Dr. M. J. Welsh, University of Iowa
CDNA Library Preparation: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research

LOCUS BU680465 620 bp mRNA linear EST 07-OCT-2002
DEFINITION UI-CF-ECL-ab1-d-09-0-UI.s1 UI-CF-ECL Homo sapiens cDNA clone
ACCESSION UI-CF-ECL-ab1-d-09-0-UI 3', mRNA sequence.
VERSION BU680465
KEYWORDS BU680465.1 GI:23529424
SOURCE EST.
ORGANISM Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
REFERENCE 1 (bases 1 to 620)
AUTHORS Bonaldo,M.F., Lennon,G. and Soares,M.B.
TITLE Normalization and subtraction: two approaches to facilitate gene
discovery
JOURNAL Genome Res. 6 (9), 791-806 (1996)
MEDLINE 97044477
PUBMED 8889548
COMMENT Contact: McCray, PB
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University of Iowa
2024 University of Iowa Med Labs, Iowa City, IA 52242, USA
Tel: 319 356 4866
Fax: 319 356 7171
Email: paul-mccray@iowa.edu
Tissue Procurement: Dr. M. J. Welsh, University of Iowa
cDNA Library preparation: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com) or from Open Biosystems
(www.openbiosystems.com).
The following repetitive elements were found in this cDNA
sequence: 1-38, >POLY_A#Simple_repeat (matched complement)
Seq primer: M13 FORWARD
POLYA=yes.

FEATURES
SOURCE

Location/Qualifiers
1..620
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="UI-CF-ECL-ab1-d-09-0-UI"
/tissue_type="lung"
/dev_stage="Adult and Fetal"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/clone_1ib="UI-CF-ECL"
/note="Organ: Lung; Vector: pRT73-Pac (Pharmacia) with a
modified polylinker; Site 1: Ecor I; Site 2: Not I;
UI-CF-ECL is a normalized cDNA library containing the
following tissue(s): Normal lung from adult and from fetal
day 64, day 87, week 19 and week 42. The library was
constructed according to Bonaldo, Lennon and Soares,
Genome Research, 6:791-806, 1996. First strand cDNA
synthesis was primed with an oligo-dT primer containing a
Not I site. Double stranded cDNA was ligated to an Ecor I
adaptor, digested with Not I, and cloned directionally
into pRT73-Pac vector. The oligonucleotide used to prime
the synthesis of first-strand cDNA contains a library tag
sequence that is located between the Not I site and the
(dT)18 tail. The sequence tag for this library is
AAGTGTCTTAC.
TAG TISSUE=Normal Lung Epithelial Cells Tissue nos 369-371
and 380-383
TAG LIB=UI-CF-ECL
TAG_SEQ=AAGTGTCTTAC"

ORIGIN

Query Match 64.7%; Score 576; DB 5; Length 620;
Best Local Similarity 99.0%; Pred. No. 5,1e-159;
Matches 590; Conservative 0; Mismatches 5; Indels 1; Gaps 1;
Db 286 CTACAGCAGAAATCATCTCTGATGAGCCGATAGTCAAGTTCCTCCGGGCGCCGTGGA 345
620 CTACAGCAGAAATCATCTCTGATGAGCCGATAGTCAAGTTCCTCCGGGCGCCGTGGA 561

QY 346 CGGCGCAACCTATATCTCGTGTGATGATCCAGATGCCCTTAGCAGAGACCAACCCAG 405
Db 560 CGGCGCAACCTATATCTCGTGTGATGATCCAGATGCCCTTAGCAGAGACCAACCCAG 501
QY 406 ACAGAGATTCTGGAGACATTGGCTGTAAACATATCAAGGGGCGGACCTGAAGAAAG 465
Db 500 ACAGAGATTCTGGAGACATTGGCTGTAAACATATCAAGGGGCGGACCTGAAGAAAG 441
QY 466 GAAGATTACAGGGCAGAGATTATCAGCTTACCAAGGCTCCCTCCGACCGGACACAGTGG 525
Db 440 GAAGATTACAGGGCAGAGATTATCAGCTTACCAAGGCTCCCTCCGACCGGACACAGTGG 381
QY 526 CTTCATCGCTACAGATTCTTTGTCTATCTTTCAGAGAGAAAGTATCTCTCTCC 585
Db 380 CTTCATCGCTACAGATTCTTTGTCTATCTTTCAGAGAGAAAGTATCTCTCTCC 321
QY 586 CAAGAGAAACAAACCTCCAGGCTCTTGGAAATGACAGATTTTGCACCGCTTCAACT 645
Db 320 CAAGAGAAACAAACCTCCAGGCTCTTGGAAATGACAGATTTTGCACCGCTTCAACT 261
QY 646 GGGCGAAGCTGAGCAAGCAAGCCAGTTCATGACCCAGAACTACAGAGCTCAACCAACCT 705
Db 260 GGGCGAAGCTGAGCAAGCAAGCCAGTTCATGACCCAGAACTACAGAGCTCAACCAACCT 201
QY 706 CCAAGCTCTCCAGAGAGAGGCGCCAGCGAGCCCAAGC-AAAACAGCGAGATAGTGC 764
Db 200 CCAAGCTCTCCAGAGAGAGGCGCCAGCGAGCCCAAGC-AAAACAGCGAGATAGTGC 141
QY 765 CTGCTAGATAGCGCGGCTTGGCCATCCGGGCGATGAGGCCACATGCTCACCGAGAG 824
Db 140 CTGCTAGATAGCGCGGCTTGGCCATCCGGGCGATGAGGCCACATGCTCACCGAGAG 81
QY 825 TGGGTATGGAACCCCTCTGTGATACAGAAACCCCTTTCTTCCAAATTAAGAAAAA 880
Db 80 TGGGTATGGAACCCCTCTGTGATACAGAAACCCCTTTCTTCCAAATTAAGAAAAA 25

RESULT 13

LOCUS

BM984582/c

UI-CF-ECL-abj-k-03-0-UI.s1 UI-CF-ECL Homo sapiens cDNA clone
DEFINITION UI-CF-ECL-abj-k-03-0-UI 3', mRNA sequence.
ACCESSION BM984582.1 GI:19610241

VERSION

KEYWORDS

SOURCE

ORGANISM

Homo sapiens (human)

Eukaryota;

Metazoa;

Chordata;

Craniata;

Vertebrata;

Euteleostomi;

Mammalia;

Eutheria;

Primates;

Catarrhini;

Homiidae;

Homo.

REFERENCE

AUTHORS

TITLE

JOURNAL

MEDLINE

PUBMED

COMMENT

Genome Res. 6 (9), 791-806 (1996)
97044477
8889548
Contact: McCray, PB
McCray Lab
University of Iowa
2024 University of Iowa Med Labs, Iowa City, IA 52242, USA
Tel: 319 356 4866
Fax: 319 356 7171
Email: paul-mccray@iowa.edu
Tissue Procurement: Dr. M. J. Welsh, University of Iowa
cDNA Library preparation: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com) or from Open Biosystems
(www.openbiosystems.com).
The following repetitive elements were found in this cDNA
sequence: 1-42, >POLY_A#Simple_repeat (matched complement)

Seq primer: M13 FORWARD
POLYA=yes
Location/Qualifiers
1. .624
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="UI-CF-EC1-abj-k-03-0-UI"
/tissue_type="Lung"
/dev_stage="Adult and Fetal"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/clone_lib="UI-CF-EC1"
/note="Organ: Lung; Vector: p773-Pac (Pharmacia) with a modified polylinker; Site 1: Score 1; Site 2: Not I; UI-CF-EC1 is a normalized cDNA library containing the following tissue(s): Normal lung from adult and from fetal day 64, day 87, week 19 and week 42. The library was constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into p773-Pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the AAGCTTAC.
TAG TISSUE=Normal Lung Epithelial Cells Tissue nos 369-371 and 380-383
TAG LIB=UI-CF-EC1
TAG_SEQ=AAGCTTAC"

ORIGIN

Query Match 64.4%; Score 572.8; DB 5; Length 624;
Best Local Similarity 98.7%; Pred. No. 4.6e-158;
Matches 588; Conservative 0; Mismatches 7; Indels 1; Gaps 1;
286 CTACAGACAGAAATCATCTCTGGATGAGCCGATAGTCAAGTCCCGGGGCGCTGGA 345
624 CTACAGACAGAAATCATCTCTGGATGAGCCGATAGTCAAGTCCCGGGGCGCTGGA 565
346 CGGCGCAACCTATATCTCTGGATGAGCCGATAGTCAAGTCCCGGGGCGCTGGA 405
564 CGGCGCAACCTATATCTCTGGATGAGCCGATAGTCAAGTCCCGGGGCGCTGGA 505
406 ACAGAGATTCGAGACATTCGCTGTAACAGATATCAAGGGCGGCGCTGAAGAAAG 465
504 ACAGAGATTCGAGACATTCGCTGTAACAGATATCAAGGGCGGCGCTGAAGAAAG 445
466 GAAGATTCAGGGCGAGAGTTATCAGCTACAGGCTCCCTCCCAACCGGACACAGTGG 525
444 GAAGATTCAGGGCGAGAGTTATCAGCTACAGGCTCCCTCCCAACCGGACACAGTGG 385
526 CTTCATTCGCTACCATGTTCTTTGCTATCTTCAAGAAAGAAAGTCACTCTCTCTCC 585
384 CTTCATTCGCTACCATGTTCTTTGCTATCTTCAAGAAAGAAAGTCACTCTCTCTCC 325
586 CAAGGAAACAAACCTCGAGGCTCTTGGAAGATGACAGATTCCTGAACGGCTCCACT 645
324 CAAGGAAACAAACCTCGAGGCTCTTGGAAGATGACAGATTCCTGAACGGCTCCACT 265
646 GGGCGAAGCTGAAGCAACCCAGTTCATGACCCAGAACTACACAGACTCAACCAACCT 705
264 GGGCGAAGCTGAAGCAACCCAGTTCATGACCCAGAACTACACAGACTCAACCAACCT 205
706 CCAAGCTCCCAAGAGAAAGGCGGACGACCCCAAGC-AAAACAGGACAGATAGCTGC 764
204 CCAAGCTCCCAAGAGAAAGGCGGACGACCCCAAGC-AAAACAGGACAGATAGCTGC 145
765 CTCTAGATAGCGGCTTTGCTCATCCGGGATGAGGACACTGCTCACCACGAGATG 824
144 CTCTAGATAGCGGCTTTGCTCATCCGGGATGAGGACACTGCTCACCACGAGATG 85

QY 825 TGGGTATGAAACCCCTCTGGATACAGAACCCCTTTCTTTCCAAATTAATAAAAAA 880
Db 84 TGGGTATGAAACCCCTCTGGATACAGAACCCCTTTCTTTCCAAATTAATAAAAAA 29

RESULT 14
BF852995 563 bp mRNA linear EST 16-JAN-2001
LOCUS M82-EN0093-191200-001-e01 EN0093 Homo sapiens cDNA, mRNA sequence.
DEFINITION BF852995
ACCESSION BF852995
VERSION BF852995.1 GI:12240843
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
AUTHORS Dias Neto E., Garcia Correa R., Verjovski-Almeida S., Briones M.R., Nagai M.A., da Silva W. Jr., Zago M.A., Bordin S., Costa F.F., Goldman G.H., Carvalho A.F., Matsukuma A., Bata G.S., Simpson D.H., Brunstein A., de Oliveira P.S., Bucher P., Jongeneel C.V., O'Hare M.J., Soares F., Brentani R.R., Reis L.F., de Souza S.J. and Simpson A.J.J.
Shotgun sequencing of the human transcriptome with ORF expressed sequence tags
Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)

TITLE
JOURNAL MEDLINE
PUBMED 10737800
COMMENT Contact: Simpson A.J.J.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP, Brazil
Tel: +55-11-27049922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?cli=MR&ct2=MR2-EN0093-191200-001-e01&ct3=2000-12-19&ct4=1)
Seq primer: puc 18 forward
High quality sequence stop: 563.
Location/Qualifiers
1. .563
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/dev_stage="Adult"
/clone_lib="EN0093"
/note="Organ: lung, normal; Vector: puc18; Site 1: SmaI; Site 2: SmaI; A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the puc 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions."

ORIGIN

Query Match 61.3%; Score 550.8; DB 2; Length 563;
Best Local Similarity 99.6%; Pred. No. 1.5e-151;
Matches 552; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 8 TGTGTCGGGTGTGATCGATTTACTGTGGAGCCCTGGAAGCTGCTCTCTCTCCC 67
Db 10 TGTGTCGGGTGTGATCGATTTCTGCGAGCCCTGGAAGCTGCTCTCTCTCCC 69
QY 68 TGTGCTTAACAGAGGTGCCATGAGTGTGACATGAGCTGTGTCACAGACAGACTGTA 127
Db 70 TGTGCTTAACAGAGGTGCCATGAGTGTGACATGAGCTGTGTCACAGACAGACTGTA 129
QY 128 CTGGGCTCATGATGTGTGCTACTGAGACAGAGATGAGAAACGCCGTGTGCCATGAG 187
Db 130 CTGGGCTCATGATGTGTGCTACTGAGACAGAGATGAGAAACGCCGTGTGCCATGAG 189

